

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

3588 U.S. PTO
09/333534
06/14/99

In re application of:

Timothy W. CONNER *et al.*

Art Unit: To Be Assigned

Appln. No.: To Be Assigned

Examiner: To Be Assigned

Filed: June 14, 1999

Atty. Docket: 38-21(15404)B

For: Nucleic Acid Molecules and Other
Molecules Associated with Plants

Statement Regarding Sequence Submission

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above-mentioned application are the same.

Respectfully submitted,

Lawrence M. Lavin, Jr.

Lawrence M. Lavin, Jr. (Reg. No. 30,768)

Date: June 14, 1999

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(314) 737-6670

by
Ed R. Marshall
41,408

cggttcaaag cggcttttct ttcttgtggg ggttcattg cttctagtat attcangtgt 360
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 tatattccgc acgcaataac aagaaccaa cacct 455

<210> 36
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-B2

<400> 36
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 gcattcgggt cgagtggaag tgtattccga tgagattaga attgggttcaa gaacagatta 120
 nagccacggt gaatgagtta aagacaatgc ctaatggagg atgatgcata aggaaagact 180
 acaatggggt ctttaagtta tgagaaaatg atgaagaaag attatgatgg tgaggatatag 240
 tattagcaaa agtaataatc ttaatgaaaa tttctgatgg tgatgaaatc ttttttaggg 300
 ttttagtatt tttttttctt gattgaatct ttttttaatt ttgtcgatta ggagtgaata 360
 accttggttc ttagctgata aattatagtt ttgggtaaag ttcaaaaanna aaaaaaaact 420
 cttttgtgcc aattaanaan gtttttttgg tgtgangcat ataaaaatng atattacaca 480
 atccaatgg 489

<210> 37
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-B3

<400> 37

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ggtcttgctg ctgcgtggag gtatgcagat cttcgtgaag actctcaccg gaaagaccat 120
cacnttggag gtggagagtt ctgacaccat tgataacgtg aaagccaaga tccaggacaa 180
agaggggtatc ccaccggacc agcagagatt gatcttcgcc ggaaagcaac ttgaagatgg 240
aagaactttg gctgactaca acattcagaa ggagtccaca cttcacttgg tcttgctgtc 300
gcgtggaggt atgcagatct tcgtgaagac tctcaccgga aagactatca ctttggaggt 360
agagagctct gacancaatt gacaacgttg aaggccaaag attcaaggat aanggaaagg 420
aatccctccg ggaccaagca naaggttgat cttttgcccg g 461

<210> 38
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-C2

<400> 38

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gagtgaccaa attgagataa ttacaacaga ccaaacagat gataaaacaa aaccaatctt 120
ctttgatttc atgagaaaag aaagaacaac agatttgaac cttttgccga gctctccttc 180
ttccgatcat gtttcaagtg gagtcacgac ggagatcttc tcttcttccg atgaagagac 240
cagtagttgc aatagtttca gatgaaatct ttaatttaat tttaatgttg actatcttaa 300
taagttatta tagttttata ttaatacgac tctccttctt ttttaatcca atttttactt 360
gaaaacgaaa aanannaaaa aaaaaaaggg 390

<210> 39
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-A4

<400> 39
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 cggcgaggat tttatccgga atcggacaat ctaacggtaa taacggagga gaagcgattc 120
 cgtttgatc gtttgagtgg atcacttacg ccggaatata ttgtttcctc gtactcttcg 180
 ccgggattat gtctgggtctt actttgggac ttatgtctct tggctctgtc gagcttgaga 240
 ttcttcaacg tagtggtact cctaatagaga agaaacaagc cgctgcgatt tttccggttg 300
 ttcagaaaca gcatacagctt ttaatagacac tgcttctgtg taatgctatg gctatggagg 360
 ggcttccta taatatattgg gataagttaa tcantgaaat acgttgcgaa taancctttc 420
 tgtcacattc gttcttgctt tccggtgaag gttattcccc a 461

<210> 40
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-C7

<400> 40
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 aaagaacctg gtaccgagag tgctgatgtg tctttacacc aattagctga tatccagccc 120
 gggccatcca ttttggttga tcaaattgat actgaaaaat ccaaagaacc tggatccgag 180
 agtgctgatg tgtctttaca ccaattagct gatatccagc ccggggccatc catttttggtt 240
 gatcaaattg atactgaaga attcaaaaat cctgatgtgt ctttacacca attagctgat 300
 attgagccct cactgtctat ttcagctgtg caaaagaata ttgaggataa ggatcaaagt 360
 cacgttgaaa ctgctgggat ctgagttagt tgatgtctct gccgaatggt caacagaacc 420
 tcaagttcaa ttaccgccat cttcagagcc agtggggaaga tatgcacgtt 470

<210> 41
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-D2

<400> 41

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gccgccggta acatttcccg gcgacaaaac ttctctannc ncaccattcc tccatcgtaa 120

tctctaaatt cttctccatt ctcttcttcc tcccgatcat ctcgagctct tcgtgagaga 180

ttatgtgatt atgtaatcgt tgttgctgta gaagacgac tctaacaact gattccttca 240

tcatcacctt cgctagattt gtaattttca gagcttgaga tgttggatct taacctcaac 300

gctgattctc ccgagtcgac tcagtacggn ggtgactcat acttagatng ggaagacatc 360

agacaaatcc ggccgggaat cnaattggaa naatcccggt aaatcgaagt cgtcangtta 420

aca 423

<210> 42

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-06-Q1-B1-D4

<400> 42

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gttatgtggt caaaacagac atgaagcaat agagaagcgt ccttttggat ggagaaatct 180

ccccaggta tatcatcttt gccataaagt ggctttgttt caactcaaaa ccgaggagaa 240

aacactgagg ttcattgaga aatctggttg agttgtgtgt cttaagccaa attccgaaga 300

tttggttttg aaagatgggt tgtccctcc taaaagtgtt ctactacata tacgtnccaa 360

tttgtaante actctccaac ttaanttttt tttggtggtt gttccactcc ggtgacaacc 420

ac 422

<210> 43

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-06-Q1-B1-D8

<400> 43
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 tcgttaatTT tttttgaata ttttcgtttt tttaccggga ctctgtctttg tcacattccc 120
 tttctttggt ttncaaaang atgataaacc ctttcaattt ttttatttca aattgaactt 180
 cgtacttggt tttctctatat tgattttctat tgtttattta aggttcttta gaaactcttt 240
 ttgtaaagaa tcgaagtttt ttacgatact tcatcaagat gattgtacaa ggaaagtana 300
 ctactagggt ttataaagga aagnctggaa aaagaaggat aaaggaaactt ttttttttatt 360
 ggatcgggaa tcttcattaa ngtaatcggg tgtggataaa aagatctccc taagggtata 420
 cnagntaaat tcttgganga atgaatcna ttttaaaag 459

<210> 44
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-E1

<400> 44
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 gagtttttgt ccatcatctt gtggctccgt tagccaagat agctagcttc tgtctggcaa 120
 atctagcttc tataagcagt tttggtgtta gtcacttaaa atcaatctat cgacttggtat 180
 ctctggaagc tcgatcttgc aaatcgnta aagtaaagag aanaagagtt gtttccagca 240
 aatttggatt gccatanccg tctctagttg tttttgaatc tggtgaaaaa caaagtaaata 300
 cgatgtttta gaaatttaca gcatcgattg aggttcacca agaatcgga tcggttgacga 360
 caaagattaa ccgggatggt taacgcatct nctcatacnt gtccggtttt aatacatttt 420
 tggagttgta ngcctgaacc tgt 443

<210> 45
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-06-Q1-B1-E4

<400> 45
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 acttgccgtg gctgaagggtg caagagccag aggagcctct aaaatcattg ggatcgacat 120
 caaccctgac aagttccaac taggcagaga agcagggatt agtgaattca taaatccaaa 180
 ggagagtgcac aaggcagttc atgagagagt aatggagata acagagggag gagtggagta 240
 cagcttcgag tgtgcaggaa gtatagaagc acttagagaa gcctttctgt ctacaaactc 300
 aggagtggga gtgactgtca tgctgggctg tcacgcaagc ccacagcttc tccctatcca 360
 tcccatggag ctcttccaaa ggcagattca tcaaccgcct cctgggttcc ggagggcttc 420
 aaaa 424

<210> 46
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-E5

<400> 46
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 ccgaccggga tgaatccgtc acttctttta ctaatacgaa ctccagtttt gagtttccta 120
 taatgggtgg ttccgattta ctacctggtt tctcaaatgc tttcgctcgg tgggtattct 180
 ccgcaagagc atggtaaaga gggctctggag aaagaaatga gccttgcaca ggaaggtaac 240
 ggtggttact tggcaggtac ggcagggttg aacagagtcg taataacagg aaaagcacag 300
 aataacagtt acatcttgta aatatccgac tcataccttt gtaaagatcc acgnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaagca aaatagattt caatcctggt 420
 ttttcaccan canccacaaa gtttgattct gtttttccgt ttttggtaaa n 471

<210> 47
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-E7

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 tgttactatc tatgttcttc gcaaacttta tcaccgatct tgaagcttct tctcatcaag 120
 atctcaacca accgtaccgg accggttctc actttcaacc tctcaaaaat tggatgaacg 180
 atcctaattg accaatgata tacaaaggaa tataccatct tttttaccaa tataacccat 240
 acggtgccgt ttgggatgtg agaatcgtgt ggggacactc cacgtcagtt gacttagtca 300
 actggatttc acaacctcca gctttaatcc atctcaagcc gtcagatata aacggttggt 360
 ggtcaggctc ccgtcacgan tctaccaaac ggnaaaactg tgattctcca caacgggcat 420
 tgaccaaaaac 430

<210> 50
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-D6
 <400> 50

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 ggaattcggc tcgagcgcca ctaaggatct ccacgatgcc attgcatctg gcaactaccc 120
 cgagtggaaa cttttcatcc agaccatgga tcctgcagat gaggataagt ttgactttga 180
 ccacttgat gtgaccaaga tctggcctga ggatattttg cctctgcaac cggttggctg 240
 cttggttctg aacaggacca ttgacaattt cttcaatgaa actgagcage ttgcgttcaa 300
 cccgggtctt gtggttctct gaatctacta ctgagacgac aagctgctcc agtgtangat 360
 ctttgcttat ggtgacactc agagacatcg ccttggaccg anttaattgc agcctccaat 420
 caatgctccc aaatgtgctc aacaacaaac aatcaccatg gaagggttaa tgaacttcaa 480
 gccacaagag gatgang 497

<210> 51
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-D8

<400> 51

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tatctccacc atgatctcac tccactcacc agccattaaa gcctctctct acggctcttt 120

cccttcttcg ttacgatcaa cactctctgt ttccttctct gctggatctc ttattcggct 180

tccttccgtc ggcaagcgca atctctccgt cgtcgtttcc tctggaagag actcctcgat 240

gtcatcaaac aatgtttctc gcggatcgtc ttcaaagggt gctgctgaat ctttcttcag 300

gagtgtctta gggcagatgg aaactgttta cctaaatcga aacccgacgc ctaaattcgt 360

cctggagctt gttcgatncc ttgatgaaca acaactttgg caatgattaa ccccgcttt 420

aana 424

<210> 52

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-E12

<400> 52

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aaagaccgac caatcggtta caacacgatt caggcgtact tgagagacgc cggtagagaga 180

ctgcatttgg cagtacaaaa tgctgagaaa gagaatgttc ctatgggggt caagttggtg 240

agaggggctt acatgtctag cgaagctagc ttggcggatt ccttgggttg caagtcgcca 300

gtccacgaca caattcagga tactcactct tgttacaatg attgtatgac attcctgatg 360

gagaaagcat caaacgggtc tgggttcnng tgctgttctc gccaacacat aacgctgant 420

ccgggggaaa ctttccttca aggaaa 446

<210> 53

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-E6

<400> 53
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ttcttctctg catctcaaag actaaaaggc tttagcaaaa accgaccagc tgagaagatg 120
tcttcatcgt acaacacaat tgctttgtcc tccactccga ccttctctct ctcaagtgcc 180
gctgccggac ccggaccaaa caactttaac cgtcaagagg ctgcatgac catggttcaa 240
caacaaccca ctctctccgt tgctccacca cccaagaagc gaaggaacca acccggaac 300
ccaaatccaa gatgctgaag tgatagcgtt atcgccaaag acgataatgg cgacgaacaa 360
gttcctaagt gaagtgtgca acaaaanggg ttcaagaagg gaaanaatc 409

<210> 54
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-D2

<400> 54
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gattcgtttg gaggtgagct gggttgccgc ggctaaacca gcgagtcag cgccgatgat 180
gatgacgcca gtttgattct tccgaatgta cggatcttcc gtggaagatt gagctccgga 240
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tgaggttggg agaganatng ccacggggca ttttaaaagt ttgggataaa gggttttcct 360
cantccttta ctttaatttc cccggggaaa aattatttgt ccaaganaaa ataatatata 420
tatantcaaa ataattattt aaaagaattc gantaa 456

<210> 55
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-E9

<400> 55

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gcctattatt gtccaaatgc aacaacttac tcaagtaaca gcacttactt gaccaatctt 180
aaaacccttt tgctctctct ctcttcccgc aagcctctt actccaccgg attccaaaac 240
gccacgggtg gacaagcctt tgacagggtc accggacttt tcctttgccg gggagacgtc 300
tcgccggaag tttgccgtaa ctgcgtcacc tttgccgtca acaacacctt tagtaggtgt 360
ccgaatcaga gagaagctgt gttctantac gaagaatgca tantcaag 408

<210> 56
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-F12
<400> 56

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atcagacaat aacaccccag tggattctgt actttcctct gattcaattt gcatcaatgt 120
gtcagttgat gatatccgag ttggagactc gctattgggt ttgcctgggt agacatttcc 180
tgctgatggg agtgtcctag ctggaagaag tgtttagat gaatctatgc tgacaggaga 240
gtcacttccg gtgttttaaag aagaaggctg ctcagtttca gcgggaacaa ttaactggga 300
tggccctcta cggatcaaag cttcttctac tgggttccaa ctcaacgata tctaaaattg 360
tcagaatggg ttganggatg cacaanggta atgcaactcc ggtacaanag gctg 414

<210> 57
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-F4
<400> 57

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ggattgaaga agttgacgaa gaagacgaag tttacaatg gctccagtga aaaaatcaga 180
taagaaagca acattagatg ctgctgcttg gatgttcaat gttgttactt ctgttggtat 240
catcattggt aataaagctt taatggctac ttatggcttt agctttgcta caacgttaac 300
cggtttacat ttcgccacta cgacgttgat gacgcttggt ttaagatggt taggatatat 360
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tccgaatggt gggaatgaat ggtagccta agtgg 455

<210> 58
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-F6

<400> 58
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ttcgttctct tcttcaagct ctctgtctct ccaaattggc gacaccggtg gacacaaatg 180
gttctccttc caccaccacc gttcagcctc cgccacaact atgccacanc anaacagccc 240
cggngaaact ccaacagagt tcctctgtcc catcaccggn tttttgatgt cagaccccggt 300
cgtcgtcgct tctggtcaaa catttgaacg tatctccgtc caagtttgcc ggaatctcaa 360
gtttgctcca agcttcacg acggnactc aaccaagatt tatccaccgt tatcccaa 420
ctcgccatga aatcaacaat tttnaagctg gggcgattgg gaacaaatgg gacatcccc 480
gtcc 484

<210> 59
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-G11

<400> 59
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 ccgacgaagc ttgattatca tgtagacatg ttcaatcttc agtctcattc cagattttctc 180
 tccttattta aggcgcaaga tggacgcata gctctaatac tagaatcaac ggtgtttcat 240
 ccacaagggtg gtggccagcc gtcagacacc ggtttaattg ttttctccg ttcggatttg 300
 aaattttccg ttcaagatgt tcgatcgaaa gacggaattg ttctccatta cggagttttc 360
 gaaggttcga atcctgaaag tgggattgat agtgagaaag ggaaagaagn ttactaactg 420
 gttgatgaat caaagggtaa aaccaaattc aagg 454

<210> 60
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-G12
 <400> 60

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 ttgcttctct gtctttcttt tcaagttggt gtctctgagg ccaactacaa cgcagttact 180
 acaagggtact cggattctcc tcgatgcgcc aatggatctt ctgcaagtcc accaacaaga 240
 cactgtccaa gggggcgtec ccgtctctct acaccgagag tagcgggtgca ctctaactca 300
 accaaaggaa aaggcccatn agtgatgaaa ttattttatg tctcaacact atgatttttg 360
 tacttaattt ggtgttaaat ttacaaggca aaggagattc aaatcctttg taaatcagat 420
 naattacatt aaagaaacaa atcaaaaacn 450

<210> 61
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-G4
 <400> 61

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acggagagaa ggtcacgggt acggtggtga atggcgagg gctatctact ggtgaaaacc 180
ctaagaaaat tgtagacctc aacactacgg agttagatcg tactgacgac attctcgacg 240
gagaagtcaa gggattttca gattctggtg aaaagaagga agaaaccgac tctaattgta 300
ttggatcgac ggctggtggt gattctgggg atatctctcc ggtcgatgat atccaagaag 360
aagattcgac gtgctgaaaa gtttggtggt tccgtgaaaa ttgaccgaag aggaaaaacc 420
ncaattctcg tgccctgaaag gttttggtac ng 452

<210> 62
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-G6
<400> 62

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tttcagagac ggaccttctc ttctgacaga tcgacgactt ctaccggaat tcgcttcgct 180
ggttataaga gcttagccac caccgggcca ctctactggt ctgggttctga agccatggga 240
gcgacgcttg ctcggtctga taacgggac cagagcggtta tgagtttctc ttctgtcaaa 300
gctcgatcgg tcagagctca agcctcatct gatggagatg aagaagaagc tatacctctg 360
agatctgaag ggaaaagctc tggaacagtt ttgccttttg gttggtggtg cctgggtcttg 420
gtg 423

<210> 63
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-H10
<400> 63

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tcggaattcg gctcgagggc gacgacgacg agttgttcgc ttctcctttc ttccactctc 120
 ttcccttcaact ctccctccttc ttctcacctc tccttcttca atctctcttc ttcacgatcc 180
 tctccaattt ctctttaccc aatccgatcc aaacgctatt tccgaatcct ctggaagctt 240
 tcactaaacg acaacaacag agacgacgat gatgatactc ttcattttac tccgtttctcc 300
 gccgttaaac ctttcttctc cctctgtacc tccgtcgcgt tatcgttttc actcttcgcc 360
 gcttctcccg ccgttgaatc tgcctcggcg tttgtagtta gtactccgaa gaaacttcaa 420
 actgatgagc tcggaangg tcgctgtttc aagaagaaaa atc 463

<210> 64
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-A10
 <400> 64

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 atttgcagaa cctaaagaag tagagaaact tgtgataact cctgtgaaga aagaactggg 120
 tcttgcattc aagggaaatc aaaagaatgt ggttgaatct ttggaggcga tgaatgagga 180
 agaagctatg gagatgaaag caaccctgga atccaaaggg gaagtggagt ttacgtgtg 240
 taccctaaag aaaagcgtga acatcaagaa aaacatgggtg tctatatcaa aggagaagaa 300
 gaaagagcac cagcggggtt tcactccatc agtgattgaa ccatcgtttg ggattgggtcc 360
 gatnatatat tgtccgtatg ancaattgtt cancacaaag gcaanccaaa caaggggata 420
 accatttnaa 430

<210> 65
 <211> 214
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-A3
 <400> 65

cccagntcct agaacagcac agacaggccc gcctacgtaa gnacggaatt cggctcgagt 60

gggggttgca atatataattt ttttatagat ttattcagtg taaaattaat acatgtacat 120
gatatatact atatatactgt tgaatatggg gagtagagac aatgtttata atatactgta 180
acagttttta tccacggaca aaaaaaaaaa aaaa 214

<210> 66
<211> 206
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-A4
<400> 66

cnaaattcgg ctcgagtata ccacgtcaca cgctggatga agttccgata gaatttcttc 60
tgcagaagggt tatctaattgg gccttttttg ggctttatgt aattccaaag ttggagcttt 120
tgtttaagct cttgtatgat atgatgatgt ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnn 206

<210> 67
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-05-Q1-B1-A9
<400> 67

taaaggatcc cctcggggaa ttccaattcc acattttcaa gaaataagga ggcaaaaatg 60
ttcatatatg aattggaatt atttgttttc ttattaggcc tatcctgaag ccaanggaaa 120
tgagatcgga attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa 180
atgttcatat atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg 240
aatgagatn ggnattcctc ggggaattcc aattccanat tttcaagaaa taaggaggca 300
aaantgttca tatatgaatt ggcattattt gttttcntat tangcctatn ctgaagccaa 360
aggaaatgnt atcggnantc ctccgggggt ancgagctcg aatt 404

<210> 68
<211> 439
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-B10

<400> 68

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agaaaaacncg tgacgtccga cncacgcgta cntaaactcg gaattcggct cgaggttgac 60
atgacgattt cttttactac tagccaaatc atttaataat cagtcacaaa gaggaagaga 120
aatgtgttca ttagagaaac gtgatcgtct tttcatacta aaactcaccg gcgacggcga 180
acaccgtcta aacccaacct tactcgactc tctcgcgtcc accatcaacc aaatccgatc 240
agatccatca ttttcacaat cagtactcat cacaacatca gatggtaaata tcttctccaa 300
cggctacgat ctgcgttttag ccgagtcaaa tcttctctc tctgttgtaa tggacgcaaa 360
acttagatnc ttagtcgccg atntaatctc tcttctctaan gcaacaatcg ncggcgtnna 420
aaggtaagnc ttcggcggg 439

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<210> 69

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-A1

<400> 69

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tattaggttc agttcctttt cgattcttcg tgtggatcgc tgtcggtaga tttccgattt 180
ctttaggttc tgctcgaaat cgtggtttag tgtttattat catcgattca gaaaacggtg 240
ggtaaacttg tagcggaaga tgaggcgggtg gccggtggat caccggcggc gaggtagaag 300
gagattgtcg agttggatat ggtttctcct tggttcttctc tctgtcgtg ggttttagttc 360
tcttcaccgn tcaacantat caaccaacaa caaagattca tcccagcttt taacttgaga 420
gagacacaag aaccgaaatg gnacccctc cccaattaaa cttcacggga agaggcaaca 480
agtgttctc ccct 494

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<210> 70

<211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-05-Q1-B1-B11

 <400> 70

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 cgtcg ttaat cttgcgggtg gaccacaata cgacgtggaa ttgggaaggc tagatggact 120
 atcatcaaca gcggctagcg tcggagggaa gttgccgcat ccgaccgacg atgtcaataa 180
 actcacttca ctcttcgcca aaaacggcct tagccttaac gacatgatcg ctctctccgg 240
 ggcacacaca ttaggattcg cgcattgcac aaaagtgttc aatcggatat acactttcaa 300
 caagacaact aaagtggatc ccacgggttaa caaagattac gtgacagagc taaaagcgtc 360
 gtgtcctcga aacatagatt caagagtggc tattaacatg gacccaacaa caccaaagac 420
 aattcgaca 429

<210> 71
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-B12

 <400> 71

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 tgctaaccac agcatgatgc gtttctactgc aaacgccaac acgatccaca taatagattt 120
 cggaatatct tacggttttc agtggcctgc tctgattcat cgctctcgc tcagcagacc 180
 tgggtggttcg cctaagcttc gaattaccgg tatagagctt cctcagcgcg gtttttagacc 240
 agcgggaagga gttcaggaga caggatcatc cttggctcga tactgtcagc gacacaatgt 300
 tccgtttgag tacaacgcaa ttgctcagaa atgggaaacg atccaagtcg aagacttaaa 360
 gcttcgacaa gggagaatat gtgggttggtg aaacccttgg ttccgtttta aggaaccctt 420
 ctaaataana ccgttc 436

<210> 72
 <211> 473

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C10

<400> 74

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agtncaactga tgacgtccga cncacgcgta nataaactcg gaattcggct cgagctcgag 60
gagctcaaga aggtgggtga ccctgttgaa gtgcgttaca aggagtcatt ggaaagaggg 120
tcggtcattg atcagcttgg ttactgtatt aacagctaca gagaggcagc tatgtctact 180
gatcccaagt ttgatcacat tgaattggca gagaagcaaa aggttttgaa cgagtgtgtg 240
gaagcagaag catggctgcg gggaaagcag cagcagcagg acacacttcc caagtatgcc 300
acaccggctc tcttgtcagc tgacgttaaa agcaaggcag aggcattgga caagttttgc 360
aggcctataa tgaccaaaacc aaagccggtg gctaaagcaa naggancaca agncaaagga 420
aggtaacnag gcggatt 437

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<210> 75
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C4

<400> 75

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ctgcgcanaa ancaggcccg gcntacgtaa gnacggaatt cggctcgagc gaagcaagag 60
gaggcagacc gagtagaact actggttcag gatactggaa agcaactgga tcacctggtc 120
cagtcttttc caaagacaac aaaatgattg gagcaaagaa aactatgggtt ttctacactg 180
gaaaagcacc cacaggaaga aaaactaaat ggaaaatgaa tgagtaccac gccgttgacg 240
aaacagtcaa cgcttccaca atccctaagc tgagacgtga gttcagttta tgtcgagtct 300
acataacaac aggaagctcc agagcttttg atagacgtcc tgaagggagt tttgcagaca 360
gaagagaatg ctaacaagtg atgttgcagt agctgagaca tccgttccct tgtggaaagc 420
tcaactgggaa acttcaattt caggaggaga acatattgat gtcn 464

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<210> 76
 <211> 443

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C5

<400> 76

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 gaagataagc tgatagaaac caaaagcaaa aacgtttctg gaaaatctca gaaacagaag 120
 aaaccagtag aagcagaaag cttaaaagag gaagaccttc tacaagcatc cggaactgat 180
 tctgattacg acggagatag tttgcctggt tctttgaatt ccgacgattt cgactccgat 240
 ttttccgatt cagaggatga tggaacacat gaaggaacag aagatggaga tgtagaattt 300
 tccgatgacg acgacgtgcc ttgagcatga tggggcctaaa ttgataacga aggatgatga 360
 tgggaagttg aacatgttag gtattgacaa taaatgagga acattgggaa ntgatgaaag 420
 attctgaacc aaaggtgaag ccg 443

<210> 77
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C6

<400> 77

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 cttgagaaaa gatgcagccg atcttccatg cgatccttaa aaatgacctt ccagcttttt 120
 tagagttggt agaagatagt gaatcgtctc tggaggagag aaacgaggaa gaacacttga 180
 acaacacggt tttgcacatg gctgcaaagt ttggtcaccg agaactcgtc tccaagatta 240
 ttgagctccg accttcctc gtgtcttccc gcaacgcata cagaaacaca cctttgcac 300
 ttgctgctat cttgggatg gtaaacatag ttatgcagat gttagaagac tgggattggg 360
 aagtgtgttc tgcacgcaat atcaacaacc aacacaacaa ctccaacttg ggcttgccgt 420
 tacaanttc 429

<210> 78
 <211> 485

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C7

 <400> 78

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 aaaaatggag accaaagaat tcgactctta cagtgaagcg aaagctttcg acgagacgaa 120
 aacaggtgtg aaaggtctca ttgatgctca catcactgag attcctcgaa ttttctgtct 180
 ccctcaaggt tccttatccg acaagaaacc ttttgtttct accactgatt ttgcgatccc 240
 tatcatcgac ttgaaggcc tccacgtctc ccgtgaagat atcgttggga agatcaaaga 300
 cgctgcatcg aattggggat tcttcaggt gatcaatcat ggtgttcctt taaacgttct 360
 tcaagaagat tcaagatgga gttcgtaggt tcatgaggaa gtcacctgag gttaagaaaa 420
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 aagtt 485

<210> 79
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-05-Q1-B1-C9

 <400> 79

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 caccctggtg ctgggaattt catgtccaac caacaaagtt taggggctca gcttgcccag 120
 cttggcaggg atgcttcagc ggctggggcg gctcgctggt ttaccactca gaagaagagt 180
 attgtagaaa ttgaatcagt tgggtgttgc ggtaaaactg ataccctgtg taagaaattc 240
 tttcgtctag agtttcttgc taaagaacaa gaacacacag atgaagattt ggatgtcaag 300
 gctctagaag atggtttcgt ttccgtgact ccattttctc tccttccaaa aacggattca 360
 gaaactcaag ccgcaagcat caagaatgga tntccaaanc ccttaactct gattnaatga 420
 aaaaggtcat ac 432

<210> 80
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-C4

 <400> 80

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 tatcggacaa acaatttggg tacacttaca atcatgatct cataatctga cgattttttg 120
 ttcacttggg taaaaattag tttgagagac aaaagagaac aaagacaggg atttgatttg 180
 agatctggat tctcatatct ggagatcgtc taaagataaa tcatcatttg cagtcaaaag 240
 cttcaatttc gttangaact gtggaggatc gtccatgctc gtggaancga ngattacttc 300
 tcttttgagt tttgtggata ctttgtggca tacttttaac tccgatcta ntcgctccac 360
 cgacgatgaa caccaatatc cgccgtccca ncctcccga atcgc 405

<210> 81
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-C6

 <400> 81

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 tattctcttg ctaagtaagc gcanngaaga gaagcagcac aaggccttag ttttgnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnntattta cactgatctg gaagcttttc agattcagca gcacaagacc agacgacaca 240
 acagggaact cttttctttc cattattcaa gatctagtaa cctccctgaa tatacgatt 300
 taggcgttga agctcctctc tatgctcatg aaccactgca cggncancat ctcctatggg 360
 acancattcc aatcatgncc ctgtccttgg antaacggga taagcct 407

<210> 82
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-C9

<400> 82

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tttacaacga tatgaaatct gcatcacatt tccaagatgc aacaaaccgg atacacacaa 120
ctcgatcaca aattaaactc actttccggg gacgaanttg gtagcgaagg cccangcatt 180
gttggtgact ggatcagcca agtgggtccgc gaggttctcc aacgggtccct ttccggtgac 240
aatggcctga acgaagaatc catcatagag aacatagcca accttccgtt cttgagctcc 300
ttcancttca actccgcnaa aagcctcggg gtcagtaccg aggcccaatg ggtcnaagct 360
cccacctggg taaagcaaag tcctctgctt ctcccaatgg gcccaact 407

<210> 83
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-D2

<400> 83

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tggttcaatct tcttatagct aagnaactgn naaaagaatt gcaatcgctg agataatttg 120
accagtttct ctcttctgat aagattggga agaagatagc agtataaagc gttggtgaag 180
tgttagagaa gtcctcgctt tggaaagctt acatataaca tcggcgactg caaaaagata 240
ttgagatttc aaaagactag tttgagacca tggcgaatca ngctgtgtag ttangcattg 300
ctttcttgag gaagggttatt gggctgagat tcttcagggg ctaaccgggtc aaaaggaatg 360
taattcncct cttgtcata gacatgacac acagtcatta acgtccttc 409

<210> 84
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-D5

<400> 84

tttttttttt ttttttataa gaggattaga catttaatat aatctatttt atttacatct 60
tctctaattc tctcatatga taaaatcgga acaatgcaaa taaaattagg atgaccctac 120
ctttgggttt gagctagctt ggtttctcac tgcaccaca cgtgcaattc tcttgatctt 180
ttttcaaatt ctgaagttga tgctgaaggc ctttgatgtg ttgtacagct aaatccagca 240
tgtctgaata gcttgtttgc ttatccatgt tggggacaag atctttagc ttcttttagct 300
tcccacttat tctcgttctc ctctcccgct cagcgatgct tctaggatgg gtggcgcan 360
cgcgtttggg ccggattttg caaggtacaa aatc 394

<210> 85

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-044-Q1-E1-D6

<400> 85

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nnnnnnnnnn nnnnnnnnca taaagcttct taaanatttc acacacatac aaagtaattt 120
acaagatatg aaatctgcat cacatttcca agatgcaaca aaccggatac acacaactcg 180
atcacaantt aaactcactt tccggggann aanttggtan cnaaggccca tgcattgttg 240
ttgacnggat cagccaagtg gtccgcgagg ntcnccaacg gtccctttcc ggtgacaatg 300
gcctgaacna anaatccaaa catagagaac atagncaacc ttccgttent gagctcctc 360
accttcaact ccgcnaaagc ctccgggggc agtancgagg gc 402

<210> 86

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-044-Q1-E1-C12

<400> 86

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aacaacaaca aacaattttg gccaaactta atcaaagaaa caacaaatcc ttgcattaca 120

cacctcccca catctttttc cttattttcaa tcttctctcc ttcaacaaaa gatctaacat 180
 aaattcatct atattttata cattctcaca atttcatccc ctcatctttt ttattgctcc 240
 cccatgcccc aaaatgtccc ttaaaacgga atcgatccct cacaatattg gtttgtccat 300
 cagctcgttt tcggtcgga tccttcccg gccacggccg gttatcctac cgaatgatcc 360
 aatagttgat agtcccatga agctgctgct ttcttcgcca 400

<210> 87
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-D7
 <400> 87

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 tangacagag gttttcagag cagtaacaaa caacttacac atgagagtta acattgcaca 180
 gtctgagatt atacncgcta gattcttttc aagtcttgaa gaacaacatg tgcagcgttt 240
 cttccagggtg caccataac tccgctcca ggatgagctc cgctgccaca caagtagaga 300
 cctttcaaag ggcttctgta atttgaccat cctttcacag ggcgcacatc gaagaagaga 360
 gtctaattccc atggcaaccg tgaaagatgt ttcccgct 399

<210> 88
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-D8
 <400> 88

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 aattttatcc attttttaca ctacttgaaa ggagtcccag gatcacatac ttctaaattc 120
 tatcatagct caacatgaaa acaagataca ttggagttagg atctccagga aacgaggatt 180
 ataaaattcc tacatgagat aatccttact agttgccatt ttggatgtca gccaccgcca 240

ttactcacca ctctctcttc gcgcccgttt gctaattgtac ggttgatatt tgactgggtc 300
 tgattctgta gagatgcttt cagttttcac taacttccgt ttttccttct caaattcntt 360
 cctggattcc tttccagtgc ctgattggca aanccgaaca aag 403

<210> 89
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-E1
 <400> 89

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 agatcaagtg acagatacaa acattgaatc aaatttctta aacacctttc taaatttatt 120
 caaaaaagcc tttacacacc gtgctattcc cacccaattc aacctcacat caaagaactt 180
 atattgcagc ctttttttgc tacttgctaa cacagcatcg ggaagtgatt cacgatctat 240
 caatatggna tcaaagatat aacaagaaga gagaagagag tatagatnaa agaaacaaag 300
 cgtaagcgat taaaccacgg gtgctcctct ccaacatcaa gcaagagata ccaccaatgg 360
 tagagcangg gtcnantggn accacaacac aaacaaaagc cggcaagcac aaaa 414

<210> 90
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-E11
 <400> 90

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 tttctcgaag agcatcaatt tgttcaacat gtgcaccatc tgccattgca atcgtgcttc 120
 ctcgntccc caacttcttc tcaagctaag tcgaatagaa gttgganana gtcaggtaaa 180
 atgataagtc taccgttgga atcaccattg tttttgttat cttgattagg aggagcttgt 240
 ccatgaatta tcaacttttt tgggaactcc ctctcttctt ctctcttcta tctgtccatt 300
 ttcattgttt gagaccgtaa ctatttcttc atccgttact ttgtgggtgtt tctctgact 360

gaactgtttc ctgaanctga gcatccggcg tcatcha

397

<210> 91
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-E12

<400> 91

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ataaaatgaa 60
gcatcatagt tcagtgttaa tcaaaagcca agtttcgtaa ttacataaac aaatgttgca 120
caacacgata cagcagaagc agattctctt acttccgcca caacatttac aatcagagat 180
caaccagtat ggtaatacag gtgtgagcag ttttggatta agtagtcttc tcattctctg 240
gttttagcttc catgtccgac atacaagcca catcagcaac tagtctctca acaggcacct 300
tgctcacatc ccacgcgatg cctatatctg aaactaagcg actgggtgca gtacatgcc 360
taagccaagc cacaagccaa accaccaaaa cctgctacaa acctga 406

<210> 92
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-E7

<400> 92

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatggaaaa aaaatatgaa ttgactatgc 60
aatattacac attttcttat tatttatata tcgaattttt tcattcctta tgggaaaaag 120
ggaatcaggt tactttgacc gaatcaataa cccaatgttg accatcggtt ttgaccttta 180
accggttaat ctctgcgaac agattcacgg ctctctcac tctctatta tccgccgcgg 240
tgaaataatc gtgaccaaata ataacaccgc cgggtcggag tatccgaacc gcccggttta 300
aatccgcca agccgaatta aaatcgtgac ccgcgtctan ctccaccaag tccggcgta 360
ntccccaatc aaaanagctt ctccaaagcc gaancggg 398

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-F12
 <400> 95
 tttttttttt tttttttttt aatgtaaaca taaaactgtc cataaaacaa aggattaatt 60
 ttacatttga atcccaaaga tgatttatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaacccaa 180
 agtagtgccg gtgtcacaac aatcaacaac aactgtcctc tgctgtctga actagcagcc 240
 gccgcttctg ccgcagcata agcctccgga ggtggagtca aaagccctga cgctgcaaga 300
 ccaccaccaa tacctagacc aacaacgata cctttactct cacgcatctt gttgacctgg 360
 ttaatanctg gctggaggga tgttgtaaaa ggaccatgca atgg 404

<210> 96
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-H3
 <400> 96
 nnnnnnnnnn nnnnnnnnnn nnnnngagct aaaaccactt aaaagccatt aagaatatca 60
 cttaggccca tattaacaa cacaatttca atcattcaac aaaacataga aacaaactca 120
 ttgatgttct tatcaagaac tacctccttc agaaacagcc tcttgagcca acactttcca 180
 tttctcaagc attctttcta atctctttac cttgctctgc ctccataact tcttccacac 240
 gtctcacaaa ctcttctctt ctacgaacc catcactgtc tgctttaacc ctaactccaa 300
 ctttccacac atctccatg aacttagcat ttgtaggtg atctgcccaa tgaggcatac 360
 caatcattgg aactcccaaa ctcaatccct ccaacgtcga gtttcaacca caatn 415

<210> 97
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-H4
 <400> 97

agtttttggg tttattctct tgctaagtaa gcgcaagaag agaagcagca caaggcctta 120
 gttttgacaa gttaaacaac gaaacaacac anaacatcaa ncacaacanc aacaacaana 180
 acaacganga ctgcataatnt aactgatctt gggaagcttt tcagattcag caagcacaag 240
 accangacga cacaacaggg aaactctttt ctttccanta ttcaacgatc tagtaacctc 300
 cctgaatata ggcatttagg cgttgaagct cctcncnat gcncatgaac cactgcaagg 360
 ggcaagnatc cncctaattg gcaccattcc caatcat 397

<210> 100
 <211> 324
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-044-Q1-E1-A12
 <400> 100

gaaatgggtca aaactcaaaa gtgatcccca agaatatctt tgataaaatt acatgtggcc 60
 accgtagaag acccaccatc accaacagct ttctctcgcca ctgaagattt ttctataacc 120
 ttcttttctca cgggggttatc actatccatc aatgatcgga cggctgtggc tatttcatcg 180
 gctgacacga tctccaaagt aaccctatca ccatccgcca cgtagtcaag ccttatctcc 240
 actgctaage ccaactcctt caccatctca aatgcgttca gttgttgctc cgcatacatt 300
 gggccacgtt gcaataggta cacc 324

<210> 101
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-F7
 <400> 101

tttttttttt tttttttttt ggaaatcatc ttcttttagat tctctgcttc aaagttcaaa 60
 ctccaactaa ccatttgggt ttcaacantt acaacaagta cagggctaga tggcaaaaaga 120
 tgtattgtat cctaaagcta aactcttgta agctttcgac aaaataaaaa gcaagaagac 180
 ttataggaga ttgcagggtt atcactccac tcagtcttct tcatctgaac tatcatatgc 240

CCF30" the seed

taatcccaac aagcctttcg gagcattttg accttgccca ttgctttccg tagcttttcc 300
gtcattttctg tctgcgccag gtttcttcaa cactggcata gcttcttctt tctgcttata 360
tctgtgaact tttgn 375

<210> 102
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-A2

<400> 102

tagaactagt tagtcatttt ttttttatta agaatcccaa atgggcttat ggaagatggg 60
ccaaacgaca aatacacggt tacaaaatga aagaagccca naacaaaccc agcgaaaaca 120
agtntcagaa ccgtgcggtta caccggaaac acgaacatcg ccttctagaa ccgacgctag 180
caaggacgac tcctatgtgg ctacgacctc gacatcaaac ttttggcttg agctagcgaa 240
ccccgccgca natcaacgcc aagaacaagc ctaacctgga acaatccttt cgggaaaagg 300
gagaaccgcc acaaccgaga cccaatccct cctctcccca acctaacaag acganggggtt 360
cgaaacttan ccccatctcc actgatgctc acccaaggga cctctc 406

<210> 103
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-A3

<400> 103

ntnttttttt tttttatgca gaaatatctt tgattcatta actttgagtg attatcacat 60
caacagaatt atgggtcata gcagctacat tattacattc tctacacaac aatggataca 120
gaccacattc tatcacagaa cccatcactt tccatttcac atttatctat atgcatatag 180
atagatagat agacgtcgag actatatatg gttattgggtt aagaatgaaa gagaaaaaag 240
ctgggaggaa tttgtttcta aggtccatca gcaagattga gtctttctta gggtccagtg 300
aagaccatcg tggatgctgc gtaagaagtc gttaagtggg attcaacttg acaagcggtt 360

<210> 106
 <211> 374
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B11

 <400> 106

tttttttttt ttttggtcna agcgaaaact aatgagctaa tgaaataaaa actacaataa 60
 ttttgaaca tgagatcaat aanttcatan gtttttcttt tggttgttgt tgtanaagct 120
 atgggagatt tactctgtac aaagctttga atctcccttt ttcacccaaa gaagtgtgtt 180
 tatggtaatg aatgatgtga ttaggccaat accaagtctc cttcttcttg ttgttgctct 240
 tcaaatttct cgccttcctg ctttggang agaatacgcn ttatgtcctc tgcngttagc 300
 gtttcatact ctagaagtgc gtttgccaac gtgtgtagct gcattctang ccgtttcaan 360
 agagattcaa tcct 374

<210> 107
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B4

 <400> 107

tttttttttt tttttttttt gatcagtagt tcagtagaga taaactttca ctgattcaca 60
 gattantgca taacaaaaaa nggnaaatga aagattgtga gaacttggtc acttctttga 120
 agaaaactgtt gatgaatctg gctctttcca tgcagcttgc cattgtttgt catanaacgt 180
 agtctcatcg aacagatcct taagtttgtc taaatcttca ttcttacgga tgaagagaac 240
 tccancnaca gccacaaaca agagtgtttt gcagaagaaa tttcccatth gatnaacaag 300
 tctactccg gtaagactat cancanagta agccatgaag aacctatcat cggcagcacg 360
 aacatttgng aagttcagcc tcaaggtaga tgggaacccc ttcaaccaa 409

<210> 108
 <211> 383
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B6
 <400> 108
 tttttttttt ttaatttaag gaatcttctg tatcaccaac gagtattaca gaatctaaaa 60
 caaccttggc acatacgtat atatgcagta tgtaactcac cacaataaaa atcatagaac 120
 aatatacanc gcatcatcat cctactacaa gtcagaattt tgcaatccac gaagcagaat 180
 agtaaacggg gaagaagata aagaggtgct cagatcataa tacctctcat gtaattaatc 240
 gagcaccttt ccgtactctg gtttggtcca agctgcatag gatacagggc gcgcccacgg 300
 tatggttttac ccagtgggtg agatncagtg ccggtttang tcaacgaggt agtaaaaatc 360
 canacttggtg tgtgtctntcc tgg 383

<210> 109
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-B8
 <400> 109
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa cagagttctc tcataatcca 60
 aggcttgctt tgatctttta gaacattcta atattcacag agatgtaacc aaactataca 120
 gttgcatcca gaaaatccga ctcaagcgat ttcataagca cgagtcaacc accacagatg 180
 aaccaaacta tatacagttt gcatcagaaa aaaattctga ttcagcggag ttcatgagcg 240
 agccacgacc atcattatct gaatttagcc ttgagcccag cagttgaggt acatgacttg 300
 tcggagaaac tcatcgggag tgggaagaag aggtacgaag tccttcctcc gaaggggana 360
 aaatccccgg gtaaatttgc cggggggnaa aaggacg 397

<210> 110
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-C1

<400> 110

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caatgaaaag 60
 ccaaaaataga tacaaccgcg tttttgtttg taattgcatg attagaaaga gttctagaga 120
 ttatcaatta tacattatac aaacgataac gaaaanaaaa gaagaagaag agagttttgg 180
 actcatatag aagattcaaa gaggggtcaa aacaaatcaa aacctgtgca ttaactccag 240
 caaaaatcct caagaatccc ctcaagtaat cctnagcttg ggcgcctttc caannataca 300
 acaatcnaaa agcgatttcc tggaaattcg ggangcatta atccggngca ccaaggcaat 360
 tggcnactcaa ttcnactgc aagctcaata accaaangac ccccggtaaa ngcccaaaa 419

<210> 111

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-044-Q1-E1-C10

<400> 111

nnnnnnnnnn nnnnnnnnnn nnnnganaga aaaacnagtt atttgattaa tgaaaaaaat 60
 acaaagtctt gcaaatttta catctaaaca agctctcttt ctctctcac actcacgaan 120
 caaagacnga agcaaaatan agataaaact tggctcactt tccggggaac aaagttggtg 180
 gcgaatgccc atgcgttggt gntaacngga tctgncnaat ggncagcaac gttctctaac 240
 ngtccttac cagtgnnnat gggcttgaac taagaatcca caacatagag aacataagcc 300
 aatcttccgt tcttgagctc cttcancttc anctcaagcg aatgcctctg ggctngtagc 360
 caaacccaat ggggtccaag cttgccaccg ggggtana 397

<210> 112

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-044-Q1-E1-C11

<400> 112

tttttttttt tttttttaac gaaaataatg ttagtttatt gtgtgaatgt gatgtatttg 60

agaaagaaaa gttnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 120
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
 nnnnnnnnnng gttttttgctc tttttttaagt actaagtgat tggtaaccat cttcccgttt 240
 ctgtctccgg tatatcacgg cggtatttaa aaccacaaca gccacaacta cgttcactgc 300
 aaaaatggct aaaaagctca agcttctcgc aagtgcctca aaatgttggt tattaggcaa 360
 ggagctatcc tggtttccgg gagnetgctg aacaacnaag gatgta 406

<210> 113
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H6

<400> 113
 tttttttttt ttttcaatgt aacagatatc atcatataaa cgctaaagat ttcaagataa 60
 tgaacatatt aaagacttgt gatggttcta attcntcata tctcctgcgg aaaccatatt 120
 ttctagaang ttccattcgt atttccaact caaagaaaaa cagtgcactgg atcttctgtg 180
 tctgagttct cactccaaaa ccttgtagtg gatccgagtc tacgagcatt tgagtttgag 240
 aatctacata aggettcatt catctgttct gcttacgttt gcgaaaatgt ctgaggatga 300
 aactgtctgc atacagagga tacttctttt ttanaaagac cttttatgca ttccaatacg 360
 aaaagtcgac tanttctca tcctttcgaa ctataaacat acaancgaga nncctcaaaa 420
 accgggggttg a 431

<210> 114
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H7

<400> 114
 tttttttttt ttcgacaaaa acatatttta accaaatata atgaatcagt ctattatcac 60
 cttgaaacac tatgatggat tcaacgctac ccaaccgaaa ttcaactgtat ttttccaacc 120

cagttcgtga ttaggtatatt tggtatctgg aaacgtaatg acaagtgact taacactcga 240
gc 242

<210> 117
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-043-Q1-E1-B2

<400> 117

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaac aaggagaagt atattataga 60
aggatcttca tacagcaaaa ccattaacat tacatgaata tctatctaaa gcgtacaaca 120
atcactaatt tactatgtac acacgcttct agcttctgat atatctcttc tacatgtcgt 180
aagagtttgg aatgtgacag atacaaaacc acaaaccaa tgaagaagga aagagtcttt 240
acagatccga gtcttgccgg ctagccaagc agagttcatg taattcattg agtatccatt 300
cctcaccaag tgtgaccacc aaggaccaat actctagttc ctccaacaac gcatgtgcta 360
tgtccccaag ctaacttaag cggtttcccg gggaaaatca aggttctcca aggag 415

<210> 118
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-043-Q1-E1-B3

<400> 118

nnnnnnnnnn nnnnnnnnnn nnnnnnnnag aaatcgatcc ctgcccttaa cgaacgaaat 60
cacatagtagt agtacaacct tgtaaaaagc tagcagataa aaagagaaca ttcagtagaa 120
gccaaaagaga tgcagaagaa caaagctcaa tgacttgaag cggctggaga agtaagctct 180
ctagaagaca acagtgtcga gcatagtgcc tagtgtctga acaatgttgg atgacatgag 240
gttcgagaca tgttcttcca gatgcttctt tgcattctgt cttcccacat tcacaattgc 300
caagcttctc tggtgacaac tcgtcctcct cttgaaccgc cttgttanat ttagcaacca 360
agctcaacat ctctggaac gtctgttctt tgggcctggg attggtgtcn aaacc 415

<210> 119
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H4

<400> 119

gtatcggtaa agacattaan nnnccggnca nctcactaat caagcggccg cccttttttt 60
 tttttttttt tgagataata atgctgggtt atctaaataa ccgatttggc tctcaaacag 120
 aactaatcaa tccaagtcaa tgtcatggct ctttattgaa tgagagaggt tcataatcaa 180
 atacaatacg attcagcaac aaagcttcat cattcaggag atattcagaa gattctttat 240
 gtcattgctca agtgaagag ggggaagtagt tggataataa cgttgtacag cttgaccggt 300
 tttgtcaaca agaaacttag caaagttcca ttgaatgtca tcgccgaaga ttccccattt 360
 gcctttcttc aggaacttat acagaggaga agcattctct ccgtttactt caatcctggt 420
 gaaaatgggg aaatcagaat tggaagcgaa gtncaaacaa agtcaagtta attgggcaat 480
 aanttccccg 490

<210> 120
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-B4

<400> 120

tttttttttt ttttttagagg aggatgatga tgacataaat aatactgaaa acacaagtac 60
 ataagccaag aaaagaaaat cactggactc gtttatttgg gcaaaaggaa aagaaaagaa 120
 gtgaagaaag agagaggggtc actactgctt ctggaggtca ataaccttag cccaagcagg 180
 cctggcagag atcttcttaa tccactcgct aaccttaggg cgagagtcaa agagcacctt 240
 ggagtcagta cccaacaagt aatggatggc tgggaggtgg tgaagatcag caagagtga 300
 ggaatcacca accaagaact cagatttggc gaacctaacc tccgtagaca tccaagactt 360
 tctggagctt aacttcnaac tcctgggcaa ccgnaagggc aattggcaa 409

<210> 121
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-B5

 <400> 121

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tttttttttt ttacctgtaa atctttgcat ttaaatacaca aaagtttggt ctttcgaatc 60
agataacaac tttctgtaaa ttatttaggg attcaaataca aaccagtaat agtaagggat 120
aagaaactgg aaaccccaga aatacataac aatgatagta tcacaatctt ctgtatctaa 180
gaagatatgt atctcaaatt tgataataca ngctggaaca gagagccaac aacagataca 240
aacttagatc cnatcaatat cctcatccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag acgagtattc tccggaagct 360
caacaanagc cctaannaan ctagcccaac caggnttttc cttga 405
  
```

<210> 122
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-B6

 <400> 122

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caatccacat tttcccacaa tttatatata 60
aaatctcgta caagacgaaa catgatcatt gcaacgtacg tatgcaatta ttttcaagca 120
cgacactcgg gtggtgggac aggaaaccta gaccggtcag tacaataatc ataaaccata 180
tggtttactc taaccacacg gtaacgtcga gcttcaacgg cgттаagaga ctgataggca 240
taaccttccc accaattatg agggttcgat ggacaaaagg ttggtccagg aacaggacaa 300
ccttcgatgt cgaaatcttt gtaataagca taaaatggga gctttgctcc aatcaatttt 360
ctctaateca ccacgtgttg ccagtcac tcgttccan aatgttgagt 410
  
```

<210> 123
 <211> 443

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-C3

<400> 123

ggtcacnaat aaattcgccg gtccacgagc tcantagtcg gcgggcccgc cnnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngca gaaaatagca 120
 tgtattaaaa ttattatttg natggataaa agacaaataa tatatcaaaa tgctgaatac 180
 aaaatgtgag ctgtaataca tgagacaaat gggagaggan nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggct 300
 agaacaagta gagaccatgc gattgccgca gctcccacca tttgtatcac aacacttatt 360
 ctttgtgctc cgctctgacg gtcagcggca ggaganaaag catcccttgg tccangacca 420
 ngaacttctc cgggcggaac aag 443

<210> 124
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-C8

<400> 124

nnnnnnnnnn nnnnnnnnnn nnnngactgag caaaacactc tttaatgaac aactcaaaag 60
 gaaagcatat cattcaaatg gtaaaaacta aaaacacacg aagggttttt atataaagtt 120
 ataaacaaag catatttcaa agtgagcaat atacacaaat acgcccgtgt ttgcggataa 180
 tagaagcaac aattcgataa ggatcgcatg caaagtggca ggtaatccaa gcatgaatgt 240
 tggttagcgc atttatcctc tggctttaag ctccgcaagc ctctcgaca aatcatcctc 300
 atcgacttcc tcctcagtct taagtaggaa tggcatgacc agcangctga ggaagcccca 360
 cagagacttc caaacatag tcactctggca accggctggc ataaaggcgt ttg 413

<210> 125
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-E6

<400> 125

tttttttttt tttttgaata gaaaaacaat ccacatctaa tatacaaaga caagactgga 60
 ggaccaaaca agaccagacc agcagaagaa ggagagacgg aaggcgaaaa ataaagacac 120
 tcttgtttca cactgaaaaat tgtcaccatc atcatcaact agacaatata ggaagactaa 180
 gaagaatcaa gaagagagaa tatatgttct tggatgaagat tagttcttcg actttgaatg 240
 ctttacgagc caatcaatga cttgatcaat gttggttagag ttcttgcatg atatcatgaa 300
 acagcagact tctctatctg taagtgatgt angtcaccatt tcgtctgtta aggtctcttt 360
 ggacagagct ccaaggtttg tcaatcctgt tcccc 395

<210> 126
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-F3

<400> 126

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaagaaaa 60
 aactttgaga agaagagctt cattttcaan nggngatata acacatcagt ttctcaacga 120
 atcaagaaag agttaacatt gatcaaaaac agaaacataa aacactaact agaacaaaca 180
 cactcatgac aaattaaatt accaatcggn aaaacattta atcagtatga atataagaaa 240
 aaggtttgca ggattattctt caaagtgaac ctgcattatg acttgacata cagacttggt 300
 gtacctcnag aaaccaaata aagttttcat ttttatgatt ccaagacata ccaaacctat 360
 caaattctca ccatttcccc tatcaaaaat ttcaacaacg aacccgaaaa aagaagtcct 420

<210> 127
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-043-Q1-E1-F5

<400> 127

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tgcaaatatg acaaacacgt gacatgcagg ataatagata aagagcccca cacatcacag 120
gngaaacaan ttaacgtgca tacatttatt gacgcaattt cgtagctata gtgacatcag 180
tgacttgggt gagttttttg gggaaaagcc tttgggggga acgaaggagg gatnacaaga 240
aaagggggcaa ccttctgggg acgatatggg tgggttaaact gcgggaaata gtttggccgc 300
ccgangncng aaaaccccg g aacatgnaat tgggggacna atggggccga gttaaaancct 360
aagttggatt tagccatnan tttanccnch ccaagnttcn aanggaggtt tcaattcgtg 420
cgcccaaggg nnattanccc aaattggttg ggaaa 455

<210> 128

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-043-Q1-E1-F6

<400> 128

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attttaataa attgcatgca agaaaagatg gtaacacaat aaatttatta catagaaatt 120
attttcaaag atcaaacgcc tttttagaga gatctaakat accagccaga ccctaattggc 180
ataaagttac tgatgtacca tttcaagaaa acaacgcttc gaacaaatth ttgatgaagt 240
cggtcattgg cgctgcgatg atatttttgg caaccccggc cgccaagtcc ctctccaaag 300
tgccaccaag ttgtgtcata tttagtatca tgaccttgat tcttggccat cataagcctg 360
gcaaactctc tgtagttgat ttggaccaac aacaacaaca tcaagctggc ct 412

<210> 129

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-G2

<400> 129

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tagagtacaa agctcttttgc ttctgcctga ctgatataca aacaaacaaa aaaagccgaa 120
cctctcatat ctgaaagttg aaatgaaaca acaaaaacag cttcttactt cattccttcg 180
ctgagacccg gtggcattcc taagctctgc gcaaggtcac tcattctctc tttcatagcc 240
accacactct tggcgtgtgc gtccttgtat gcttctgtga caagttgtga taagtttttc 300
ggaacctagt tcattgctgg ctcggtgaat atcaagttac gggattgggt tgctgggnta 360
accggataaa gttaaccctt gaacaagccc ccctggaac aataaaccaa tcaaatttcn 420
gnggaagcaa anccttttgg aaaacgttca agctt 455

<210> 130
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-G3
<400> 130

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tcttctatat acacaagctg cgattattac tgcgagtttg taattttattt ggatcggaac 120
ataagacata ttgtaagact tcagatcagt tgcaggacaa gttcgagtga agtctgctag 180
aacggctctgt ctccatctca gttcctcaaa gcttggcaag caggagggat tgttgtcagg 240
ccacatttgc tcagaagagc ctggacttta gatgggtaaa ccgctaaaac ggggagaaca 300
gacttgaatc tgcagatgca tttcagatta gcggcttggg gaggttcaca acaccctttg 360
attggaaatg gcgggttgcc ccnaattacg gctggacaac attttncaaa atgggtttgcc 420
ttgaangtac atgcggtaa 439

<210> 131
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-G4
<400> 131

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acaaagtcga gttcacattc atgagtagcg ctaacatatt gaaaaacaaa aataaccgat 120
 aaaatccaaa acgggagaga gcacagcttc aacatcgatt ccaccccaaa aaagagtcaa 180
 tcagagacgt ttacatgaa caagttgggc ttgttgccct tgtaagtcgt cttcagcttc 240
 ctgcttggtg gtctaacctt gcggaacacc aatgggaact tgatcttgct gttgtggaac 300
 tgtttagtgc tctctctctt gcacagcttg gctgggacag tggctgtctt gatgatctga 360
 atgcaaggga aatctgacac ggtgacgggg atgcaacccc attgtanacc ngctcaaaac 420
 tnccgttaaa attgggggtca cg 442

<210> 132
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-G7
 <400> 132

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 gatgggtatca gaagcaaact tctttacaaa caaaatatta tcaagttcat caagacagat 120
 gcagacaata caagaatata aaacaaatgc caagctcttt tttttattac cgtaccaacc 180
 aaataacatc ctacactcaa gtaaccacca accaaggaaa gcgaggtggc aacatctgct 240
 tcccaaacca agaatccaca aaatatcggc tcccgatact acataccgca cttataagtt 300
 gatcgataag gaagtacctg gaaattttta catttggttg tgctctcatt ctgctctgga 360
 ctgaccagct cgagaagata aatgatgcc tacaattagg ccgtatanag cgagcgcttc 420
 cgcaaagata aggataaga 439

<210> 133
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-F3
 <400> 133

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ataacttaaa acatattgct atcctagaat ggtatcatct taatacagat ttttatttgg 120
 tttcagagct gtttgatttg ctttaactta cagagtacta agtgatcata atgagtccca 180
 aggcttgagt tctctgtcac gatccatgtg tttcctaate acttagcctt tgccaaagct 240
 agtgtcattg acctcgtcgc cagggttagg aaaattcccc aaaagaatgc gaccaggctg 300
 tgcaagatga cccggaaagt gcaagtgggc acaataactt gtagttaaac caacccaacc 360
 aaccggggaa aaaacttcaa tgcaagttaa gctgggacgt tgggatnaag tcctcctgga 420
 ttccttcccc naacaaaggg gtccaaggga anttctt 457

<210> 134
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-G8
 <400> 134

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 tatgtaataa aagtgaacct cattgggata tgaatattat cagtaaacca gaactgagga 120
 aggtgtacat attacttttg gacatggcct gcttaaacaa atcatacagc cattttttttt 180
 gttgatttta ttattttgat gattcaagag aatccaaaaa agtgtcaaat aagatttcat 240
 atcctgtcgt ctgtcggcca ttttttttgg gtttgttgc tccacatcta atgtaaaaag 300
 tttctttatt ttggtcgctt gcgatatggg tccaaggaat catccacaag tttccttcac 360
 atagttacca actcctctca aggtcctcaa caaccccgcc ggcaaacaag gtttgncttt 420
 cctggtgaaa ccgggtna 438

<210> 135
 <211> 166
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-040-Q1-E1-G9
 <400> 135

tttttttttt ttttcttgtt taataaaggg ttcgatttct tccacaatgg taaagagcac 60

aagccagatt ccttaagttt taagacaaca ctataaggac ccaaaaagga gaccaaagac 120
aaagacaaag accaaactga taaaatgaag ctgttcaggt tggtag 166

<210> 136
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-H1
<400> 136

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nnnnnnnaac caccaaaaga ggaaacaaag cattaaagct tacaacgata tgtgcagaaa 120
gaaaagttag gcccaacata gcccataaga ttaacatcta cggcataaag atgttttgac 180
atttggaactc tatccaatac acgtgtccac gtgatattac aactgcaaca caagatgaag 240
agtcacgga agtgtaccga catcaacctt cgccgccgat gaacaccgaa tccggtgagg 300
aatgcatcgc cgaaacatcg cacaatgaat ccttgtaacc accgaaataa aactgaacgg 360
tgccaattt aaaagacaca gcaaaangga tccataatta gccatcgga tacccttaa 420
tcttnaaacc gaagaaatat c 441

<210> 137
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-H10
<400> 137

gtaccaaatac anaattcgcc ggtcnacgag ctcantagnc ggcggccgcc cttttttttt 60
ttttttatgg gttcaaatca acttattgga atcacctttg atcaaatttc acaaaagaaa 120
tggttagtag agttacacat aagatgaata caaggcccat atggaaggtg caatgggaaa 180
tgtagaaact tgactgcatg accgagagta tgagagaagt ttcttccaaa ggagtcaaat 240
atctctgtgc gtgttcacaa ttcttgtagc agggctttct cgatgtcttt ctggatggat 300
agaggtgaaa cagttgtgcc ataacgatca atgacttgac catctttgcc gaccaagaac 360

actantggnt caaccgcaag acaaccgagt aaaaccttaa agcccccttcc ccngcaagaa 420
tcctcctgaa agcaagcggt ggacttcccc aa 452

<210> 140
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-A1

<400> 140

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnaaaaa gaaaccatct tttcaattaa cttgcaagtt tcttnaagtt 180
ttatagggaa gggaaagaag ggtcataacc cattacatca caccatacta agagagtagt 240
aataagagag acatgagccc aatagatgag cccanatcaa cttttaatca nattacattt 300
tgattaaaag aagcttcaat anttggggca acaagtgcaa ttgacncanc tgcaaaagga 360
gccccaaactt gcacttgcaa nttggcggtg gtcccccccg gaacaaaggt ccaatgataa 420
agggccccc n tgga 434

<210> 141
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-A11

<400> 141

tttttttttt tttgattgaa gatatatggc tctgtttagt aactaattta catcacggga 60
acactttttac ttggtgcctc aacatttata gcaaaaactat tcaactacaa aacacacaag 120
atcaaaactta tgaaaccaat aatcatcaa cacgtgtctc atcaccaacc tcacacttca 180
cctgcaccac ctccgacgtc agattctctg cttttctcct tcgtttcaac ttcccgtttt 240
cagacgacga cgtagaagag gacgacgacg acgacgacga agaagatctc ttagacgtga 300
tccgaaccgg gtcaggttca ccggaattaa ccctcaacgg aaaattcaat aaagcgcggy 360
aaccacgcat cctaaaagca gctatatcgt aagctaaa 398

<210> 142
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-A3

 <400> 142

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ggccccggt gctcactagt nggcggccgc cctttttttt ttttttttta aaatagtgaa 60
gaaataaata ctccatatga cttaaactta aaaatgggtca agaagagaga gatatgttcg 120
tagctgggag agagaggaga gaacaacaac taagaaaatt taagaaatgt aaatcgctga 180
tagacgacgg gtcaaaatca gatcaaagag tgccttgcaa aacaagaaaa cctttcttct 240
ccggtgatac tagtacggca gagcaaacac agcaacagaa ccgacttctt ttctcccttc 300
acagcagatc ggccacgttc gaaggnagct ccttcgacaa ccacaatggg agaatttctg 360
aatatcaaac aagcaatcct cctcatcatc acgggtcacg aaaattgatt cgcaacaacc 420
ctttctcccg aaaccttcca actttt 445
  
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<210> 143
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-041-Q1-E1-A4

 <400> 143

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ttttttttt tttttccagg gaagaacatt cataagctag taaaacacac aagaacaagc 60
aggggacaca agtctattac aacacaagat cagagcacaa cagctacaca atccattatg 120
tgaaaattcc cactaagcac aacattacac cactccactt taccocaaat ctctccaccc 180
tcggtcttt cactgcgat ttccgcacac caaatctctg ttttctctgt tttctgcaag 240
aacagaacca atttcccacc ggtgtaactc acagttttgg accacttaca agccacaggc 300
aacaatcctt caaaaccttt aacgactccc caagctctct gctttggatc ataagctctc 360
aaacaattct cacgaacatc atagtaatac aagacatcat ct 402
  
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<210> 144

<211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-041-Q1-E1-A8
 <400> 144
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 gctactacat tggatatgtc aaaatacata atacaaaaaa attacagagc aaaacaccaa 120
 aaaaaaatct aatcttgatc ccaaatatga ctaaagaaat cagcaaaaagt tggatgaagct 180
 accaaactag taaagccagg acttcgaaac gggctcataa atccccgccg cgagaataat 240
 cccagtggta tagccggcga aaacatccca ccttgatgat acatcggaga gaatatcccc 300
 gtagaagctg ttggcaacaa ggccggagat ggcgagagta ttccccggagc ataaccacca 360
 aattcagctg cttcttccat agccgtgttg atttcca 397

<210> 145
 <211> 118
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B3
 <400> 145
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngggcgg cctcgagc 118

<210> 146
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B5
 <400> 146
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 ccaaattgtat atgtatagtg agcaataaag aagaaaattt gcatattttt atcacatata 120
 ggacaaaact ggaggacttc cactaaacca ccaccataaa ttaccaaaga agaatgtcgt 180

caattcagag aaacttgaac atcatcatct tcatttataaa aattcgaatc agagaagctg 240
 tgggtacaag acgttcangc cacttgggat aagcgcgctt gtacaaagtt caagcacact 300
 acgtcaaggt tgggtgaanc aactccaatt ggatatgcat ttcattggcc ccaangttgt 360
 gccnacnggg ttccttcacg cgaccacgaa cgcccgcat ttgaccatac ttcaacaggc 420
 ttgaaccatt tcacgtcttc gggggt 446

<210> 147
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B6
 <400> 147

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaacta attgcatata 60
 tattaatatag tgaacccttt ctttcaaagg gaagttttca aattctcaca ctaacctatt 120
 gaacaagaac atctaaaacc ctctcaaaca cattcattta ctctacttat gattttcttc 180
 tactaatgtc tttccctgaa aactctcctg atccaaatgt tgttgccata tcgatgccgg 240
 ttcctcctcc gactagagta gatagtcctg tacttggacc atttccgtta ccaaccgctc 300
 tacctaaacc gaggaagtcn aatgtcgttg gttncggacc aaacaacgga tgaaatcccc 360
 aacaanagnc cctttaaaac ccgaacctgg cttccgcaa caacaaaggn aanccnaat 420
 ccnaagncaa ggagggaact aattgcgtn 449

<210> 148
 <211> 378
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B12
 <400> 148

atcgtttact tagncgggcc ngaattcaaa ataacatttc cnttgnnctt cagganaggc 60
 ctaanangaa aacaaataat tccaattcat atatgaacat ttttgccctc ttatttcttg 120
 aaaatgtgga attggaattc cccgaggaat tccgatctca tttccttttg cttcaggata 180

<210> 151
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B9

<400> 151

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 atcagacttg agatctgcgg ttgcaacaag atacagagaa cgattgaaca aagtgaggtc 120
 accaagagaa cattgatgaa aaatatccaa cacacatgag ccgatgagtg ttccctgccca 180
 caaatgttcc tccgctgcta gaggataagg gcttgaaatg ccagacacaa gcaagtcaca 240
 actagctgtc ttcttccaag cctcctaatac tgggtacctg gattataact tataacagtc 300
 cggaactctt ttccantttg caaaattgat aaggcttaaa cacacaaggg cnaanaccca 360
 atacctcanc tgcattgtccc ctttgaactn 390

<210> 152
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-C4

<400> 152

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 aaattaattt aagtactaga gagtagagat ccaaatacaa accataatat gttcgtctca 120
 caaagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnntcacatc acattcacat aaactcgtca taaatagacc atcccaattc 240
 ccaaattggc tagaagcaaa tgtccagggc acaacagcaa cacatggccg caagacagcc 300
 tttgaagaat ccgtcaccct tagacttggg ttccacttta ccttgagcta ccgaaccatg 360
 actcgggttg ttagtccggg taaccaatcc ggcgggtggg gtgatgtcan ggtagacatc 420
 ggtggcgggtg ggtaaccncc tgcaga 446

<210> 153

<211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-C7

 <400> 153

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 nnnnnnnnnn nnnnnnnnnn nnnaccaaca aaaccaaga caaacaagaa aataaaaacc 120
 aattacatcg taccencat tgattttatt acccttgncg ggattttatt tgaaaggggg 180
 gataaattaa aaaaggacat catcaaagca gtacgtaaaa gtccgaacga tattacaaaa 240
 agaaacacaa gatttgcnaa taaaatgagc ttcaacacac gtgtctcccg canaggcttt 300
 gttaaattcn cactcaccat attcagggcg cgcacggggg aaggggacggg ggcacgctcg 360
 gaatcgggat tgncccttga ggagcccaag ctccttgaaa aaangggcta aaacacgaag 420
 ctccaaccgc caagccatcc ccaacc 446

<210> 154
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-D1

 <400> 154

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 nnnnnnnnnn nnnnnnnnnn nnnnnggcca ttgacattgn catttcttan aaaacacgaa 120
 tatgtttaca cagggtgtta caatacgaan aagccaatgg tancgaaaga tggaaatatt 180
 gtacgatata agagacataa aaacacatga gatgatgatc acctcagtgg aacttgaggc 240
 tggatcaanac gttgttggtg acgggatcag ccaagtgatn aagcagggtc tgataaggnc 300
 ccanaccggt cactaantcc ttgggataaa gtaaccgagg atggcgaaca ataaccaatc 360
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 ccaaan 426

<210> 155

<211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-D10

 <400> 155

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 nnnnnnnnaa agagggtttca aacaaagaga tgataaaaca taggaatcta acttattttca 120
 tggaagatcc ctatgtgaag aagtcnnnnn nnnnnnnnnn nnnnnnnnnn ntaaaaccga 180
 gtctgtgagg gatcaaagga cacaaacttt catccattg catatttctg agtccagctt 240
 ctgcgagtag actcatactt tgctctatcg gttttgtaca tgtgaagcaa tctctggaac 300
 caatggatca tctggggttg ggtccgttaa caatgaacat atcnaaagca anaaccttcg 360
 atatggtgag tgcaggactc cattgttctt tcaaaatgtc aa 402

<210> 156
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-040-Q1-E1-D12

 <400> 156

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 ttaagataat taaacccgaa aaatcacaaa agccccaaa ttcaaagaga aagaatataa 120
 aaaaaagcag aaccaaactg tttttttctt tttttcttat tgataccata atctttttta 180
 gctctaagca gtagatccct tgagcttctt ggtgatgctg gcaatgtact ggccttggtg 240
 aaatgcttgc tgtagctcca gctctgttgg ctgccttgaa cgtctctctg caaatgttcc 300
 agctccatat gggcttccac ctttcacatt ctccatttcg aacattcccg cgccaaatgt 360
 gtaaccgatt gggacaaata acatccccgt ggtgaaacaa gct 403

<210> 157
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-D4

<400> 157

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ggtcacaaca taaaccatct tcagacacta agttcacaca caaacttcag ttcaagcatg 120
aacttgaaaa gaacagctaa gataggtaca tgtcctctac acatatataa tttgaatata 180
ttacataaaa cacacaaaac aaggattaaa acgggtgcgta tcatgggata ccgatgatgg 240
gcaagaaaagg aacgtaataa ctggtcggag ccagccccc ctcgggagga actgggtaaat 300
caacggtctt ggacgaacta aaagattcga agccttcttg gacatgattc aagaagaaca 360
acttggaag aanagaccat attttgtcac cgccaagcct aacaatcctc cgacnttaac 420
gttaattcct tgggaaancca taaa 444

<210> 158

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-D9

<400> 158

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnngg ccantgacat tgtcatttct taaaaaacac gaatatgttt acacaggggtg 120
ttacaatacg aagaagccaa tgggtancnaa agatggaaat attgtacgat acaagagaca 180
taaaaacaca tgagatgatg atcacctcan tggaacttga ggctgggtcaa nacgttggtg 240
ttgacgggat cagccaagtg atcaagcagg ttngataag gnccacacc ggtcactant 300
ccttgggaaa agtaaccga gggatgggga ancaaaacca atccaacgtt ccttgacccc 360
cttgagtttt aannccctca aggnatttcc naccttccca aaaccca 407

<210> 159

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-E7

<400> 159

nnnnnnnnnn nnnnnnnnnn nngatcgaat atacatgacc atacaaagct aaaataagac 60
aacttgtggt ccaaatacaa agttaataa aagacaaggt gtgtaagaaa atacaaagct 120
aaaaagatac atgtggtgga aacatacaaa gctaaaaaaa agacaacaaa gcaaacgaat 180
catatgtctc ttttggcatc aagtggaca tgagttgcaa gttacgtgtc tttgtctatc 240
tttgtctcca accggtgatg ataaacttca ttgaagtga taagacgaaa ttcctttaca 300
gtttctcctt aactcacaac cacttgctta tccgccatta acactcacca aaagcataga 360
gaanaaaaaac aacaattagc atttacagtt aactttccaa tttgattcaa tcacagaaac 420
aagatattaa acaacaaagt tta 443

<210> 160

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-F1

<400> 160

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnan 120
attaaagcaa aagcatcaac catcancaaa atccaacaag atagnгааag atccaaccgc 180
cacttgcaac tanactanan aacncngaaa taaaaaaact tgcaaaacac agcccaaaac 240
agaaactaac acacattgct taggggggaa aacagttttt tgggaaaaag aaaaaaaatc 300
cccgtcactt aaccaccng aaaaagacnc aanancaat aaaaaaaaac aaagtaaggg 360
nggcggaana ttagggcacc aatatttaaa accnccgca angtcaaaac ncaatcgga 420
cca 423

<210> 161

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-040-Q1-E1-F2

<400> 161

tttttttttt ttttaatat aacacgtcat tagcatttca attaccaaag aaaagcaaga 60

agaagatgaa agagcaaagc tcagtattat acagatctgt agataatgaa aactctggcc 120

atcgaatgat atctttccac caaagagaag aggttgtgta cataaaagac ctttgaatta 180

acctaaataa gaagataaga gaaaaataac tcacatttta tggtttatga atttgatata 240

gaaagatctc ttacaagcca tgtaaaaaca agaattcccc cataatttta cagtcgtcca 300

aatcatcaat atgtcatcat ccttctcaat ttagtggtga atcaaccaca gcctcnggcc 360

ccctaataatc aaaaccttgg tccgccggtt aagagtacaa agaatgagaa gggaaccnt 420

tggttgc 427

<210> 162

<211> 89

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-F8

<400> 162

nacataagac gggccgtcca cgcgtacgna anacggaat tcggctcggn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 89

<210> 163

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-G1

<400> 163

cccgtacgta agancagaat tcggctcgag ggaagagatt ggttattgct aataagttaa 60

ggaggagagg aagatctatg tcagcttcga atttttactc gtggcaaaac cctaattcaa 120

tgcttttact tgcactccaa gaacctaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnngctcag actcgaagtt gtttctgtct aagtagtttg cnnnnnnnnn 300

<210> 168
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-G7

 <400> 168

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ctcgagcgcc ggagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ttccaaaggg aacccttaag 120
aagagtctta gcaataccgt tgccgttagc cangtgagaa tccttangng nggcgaagaa 180
atccccaagg agacttcaga tctggttggt gaaatgtcag atntgggatc tactcgtcgg 240
attggaccaa gattnggggt tgattccggg tcagattcgt ttatctggcc gcaaactgaa 300
natcagcacc gttttacgcc ggtcctgtga ccatgacctc gccgcctcct agcgatgtcc 360
cgcttccaag cttttctcac naanaangna acaaatagat tcatcaggat ccttc 415
  
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<210> 169
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-G8

 <400> 169

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gagacgnccc gccacgcgta cgnaaaatcg gaattcggct cgagaaaaca cacaagaaaa 60
taaagatact acaaagtata cgacaacttc tttttttggt ttagtagtaata attatagcca 120
aaaatataga canacaaaat ggagagaaaag cctcttgaac ttgagtcgac ggataaccac 180
cagaatcctt cctccgccgt atacggtggc tctgttacgg cggttgactc tgttgaagaa 240
gatgttcaga atcagaagaa agtcgtttat agaggctgga aagtcatgcc ctttattatt 300
ggaaatgaga catttgagaa gcttgggatc attgggaaca ctaacaaacc ttctgggtta 360
tttaactgca gtcttcaacc tgaagangta ntacagctgc aancatcant aacgccttta 420
gtggcacaat taatttcgga actttcgttg ctg 453
  
```

<210> 170
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H1

 <400> 170

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ggggatgaat ccttggtcgc ccagaagagc ataaagtngc nggcnaccgc tacgtaagan   60
cngaattcgg ctcgagatgg cgacgacgac gagttgttcg cttctccttt cttccactct  120
cttccttcac tctcctcctt cttctcacct ctctctcttc aatctctctt cttcacgata  180
ctctccaatt tctctttacc caatccgata caaacgctat ttccgaatcc tctcgaagct  240
ttcactaaac gacaacaaca gagacgacga tgatgatact cttcatttta ctccgtttctc  300
cgccgttaaa cctttcttcc tcctctgtac ctccgtcgcg ttancgtttt cactcntcgc  360
cgcttctcnc gccgttgaat ctggctcggn gttttagttagt agtactccga agaaacttca  420
aactgatgaa gctcgcgaag gntcgtttgt ttcaagagaa cactccttcc gttgtttaca  480
tca                                                                    483
  
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<210> 171
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H3

 <400> 171

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cgcgtcengc ccgtacgtaa gancgnaatt cggctcgagt gactctggcc ctctctctct   60
tctctctctc aaaattttca gagagagaat caaaccanaa ttttcgacga cggtaaattg  120
atgctgctcg tgatgggtga attgccgtcc ggtgtagtat ccggctttcg tctgacatat  180
attggcttcc acagcagtag atggctcggn cntgtctagc atcatcggct ctttcagcgg  240
tgatggctag ctacgggtgt taatccggcg tagttcgggt tttcttttcc ttttggggna  300
acaccacggg ttacgtttcc gaccgttgat tgnntttana tnaagaactc attgggtatg  360
ngtggtgggn atcgccgtng gttttnaatn naagcctgct taattagatc caaantncaa  420
accnatcctt tgaaatttaa aggttacggn ta                                                                    452
  
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<210> 172
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H4

 <400> 172

ttgtacggtc atagattgat ttanacgncc cggccntacg tacganchnaa aattcggntc 60
 gagcgcatta atctctctct ctgtatcttc tcttgagtgg agcgaatata caaaagagtt 120
 ccgagttttct ttcacaccttc acgagcttat actttttcgg tctccattcg tttgttttta 180
 acgatnaaaa acaacggcga aggtattgga aataagacag aagctgttag ctctgtttct 240
 ccatgggtgac aagatcttgt gctaattttc tagacttatc atcttgggac ctttttagatt 300
 ttcttcaaac tccacgaact cttccacgag tcatgnctgt tccgggaatc atcaccggac 360
 gtttnacggg gatacanctt cccgaaagta acttcgaact ccgggggttc acgtgagagg 420
 gaagattatt gtancnaaca tgttnccact ncaatctaaa agagatgcag aanctgg 477

<210> 173
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H6

 <400> 173

ctcgagctat tctctgtttc gtgttccact tcacgattga gagaacactt tcctaagttt 60
 atcaagaaca tttcttttca atttctcgat tctttcnggc tcattctctc atctctgttt 120
 catatctaaa ttattgattg agaattcgac ttgtggaaat ggcaacagtt gcatcaaata 180
 tcgcttgatc cggaaaagta acgatgtcta gagctagttc aatggtagga tggagggttg 240
 agataaattg cagaaagaaa gagaaaggaa gagatcagag tcattatcct taaaaagtca 300
 ttgaaatcac tctctctctt aaatctctcg gnantccggt ggctctctca ataaccttca 360
 atgtggagag aacgtgatga tcgaagggca aacgtacaca atccctgctg tgac 414

<210> 174
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-H8

<400> 174

ataaacggcc gncacgcgt acgnaaaatc ggaattcggc tcgagcggct cgagcggctc 60
 gagcggctcg agctcgagcc gctctcaaac cctaagagaa gaaaaatttg ctttgttttt 120
 gccaaattca atcngatat caaagatgaa gatgggaggt tcaaagagaa gagtatcgag 180
 caaaggactt ggagctgttc ttaaagaaca aagagctaag ctatacatca ttcgaagatg 240
 tgtcgtcatg cttctttgtt ggcacgattg atcctcaatc tgtcttcana tttcatcctc 300
 atcaatcttt atgtataaaa ggctttcgtg tgttgaggag agaagagtcg tgatgtttgg 360
 agcttaagcg ggctggcggg atnggggttt tgattctacn cgaagatttg tggntgaatn 420
 ggttaaagag tttgacttgt ttttgattaa acctctcta 459

<210> 175
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-A1

<400> 175

tttttttttt tttttttaat gatggattga tggaggagaa tggagatggt gtccgtgcag 60
 tggttcatga gcatagagag gagcttcaac gcctaaatgc gtatattcag ggaggttact 120
 aagatcttga ataatggaaa gaaaagagtt ccctgttggtg tcgtctgggtc ttgtgctgct 180
 gaatctgaaa agcttccaga tcagtgtaaa tannnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncaaaactaa ggcccttggtgc 300
 tgcttccctc cttgcgctaa cttagcaaga gataaaacca aaaaccctga tccctttatg 360
 aaaaaaaaaa aaaaaaagcc caanccgaat tc 392

<210> 176
 <211> 386

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-A3

 <400> 176

 tttttttttt ttganctgca aatctgggtg aagaaattaa gcaatataca gagttacaag 60
 aattaagaag aataagatct aaatatctac acagagaaca taaggmnaga agaagaanag 120
 aagcagaata atttcataac aagaaaaagg tattcaaggg agaaatccaa ataggaatgg 180
 agaagggtaa gaagcgggtan aaggggagaag accctggcgg aggacaggcg gagngatgtg 240
 gagcacggtg gttgaggtgt tgccgcataa caatctggga cggcttcagc caccaccact 300
 acanactcca tacctatctt cattagctct atacacagct ccctcctttt atcaacaatt 360
 ttccccctgtt tttttttaat atcccc 386

<210> 177
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-040-Q1-E1-B1

 <400> 177

 tttttttttt ttgttttgtt tttcattgat ataaatactt ggagtacacc tccttacaac 60
 tagaaacaac atggaaacaa acgtggagta acaacttcta caaacttgga aaagatggaa 120
 actgtaatcg tggaagactc cttgcttatt gtaactaaat cgaaaacaga gactaagtaa 180
 aatgacttag tgttgggaat acttgggatt ggggcatgcy agtcccttaa ggggccttct 240
 ccttcctcnt cntcctctcc gtctggactc atcatattgt tgcataaaatc gtcctcctgt 300
 ttgatatccc cgttttagcaa atttgtcaac aagcttcgag tcatcatcac ctgaacaatc 360
 nccccgagan ttgcgcaaaa ttggtcaatg cttgctcca tttaagaact ttccaaggat 420
 ntt 423

<210> 178
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-F10

<400> 178

nnnnnnnnnn nnnnnnnnnn nnnnnnnnga aatgagaagt aacattaact aattacaaga 60
taggatatta aacctcgtgt gatatggaag aaaataaact tttgactaat ttacatatgc 120
aaaagttgta gtaacctgaa aaaaaaaaaag aattctaaaa acaaagggtat accttgtagg 180
aaatttcgta ttatatagtt agaataaaga atgtactaaa tggaagaaaa aaatatatat 240
atgaatctag ccgagactat caatggccaa caccgggact aggaacggat cggagatacc 300
gatcaacggt gggagagatg tcgtgatcgg agctttccgg cgaagacggc cgcgtgacct 360
ttttgctcgg tgctcgagttg ggaattttcc cctttgggaa a 401

<210> 179
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-F3

<400> 179

tttttttttt ttgaatctga actctgattt ttgaacaaac anatttacat gacataaaagg 60
tacaanggaa aaattaaatc tttttttttt tgnttnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc atacacaaac cagaatgtta 180
caaggagaac tctcaaacag cggtctctca ggctctctc gctgcntccc gtctcatttg 240
atcttgtttc ccgctgctc ggaagtacat atacacttgc ngantaaccc agatgctaac 300
cactgattcc anggcaggaa aaatgcaaac ccaatgaagt agaatatccc ancaattgcn 360
ttgaccactt aagacatcct agtgcaggna nagatncccg caagagattt ncctttgaag 420

<210> 180
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-F4

<400> 180

tttttttttt ttttttttta agccagaaac gacgtagtct ataaagagaa gaagtcaagt 60
 tagtcattta caaaaaaaaa gtcagtttag agcattatct ttgacaaacc acaattcttt 120
 tgctgcaaag gttaacaaat tttcacatct tccttaactc ggcttgaaac ttttcgaggt 180
 cttcaagctt tccatcaaaa gtcattgctg aaaactcttt gccatgggtc ttttagcctct 240
 ttacttttagc gctttcactt gctttcattc ttcttgtttt cagcctctcc acgcttgca 300
 gaagttccga tgccattttc gtcattctct tgaatatttc atccataaga agactcatca 360
 taagagctcc aaagcttcat taacgagtct caanaag 397

<210> 181
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-E8

<400> 181

tttttttttt ttcttaaaac tctcattaaa aacaatgata aatcaaacat gcttcgttcc 60
 agcttggtta ctgttcttgc ccattctcaag cgcattccca tactcaccat cctccacaaa 120
 ccttgacca taccagtgtg acctccacac ttgacctatc tcctctatcg gaatcccttt 180
 cgtctccggc aagaaaatgt atacaaagat cgacatcacc accacgaaaa aggcgaaaaac 240
 aaggaataac ccaaacttca aatgacaaag catcgtcaag aagatttgcg cgataatgaa 300
 cgtgaagatc atgttcacgg acacggtgat actctgcgcc gccgacctta tctccaacgg 360
 ggaagatttc actcgggtact aaccacccta gtgggccccca cgacnacgca aaanccggca 420
 cattga 426

<210> 182
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-F7

<400> 182

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnga aaacctgaga catcatatta 60
 tcatacaagt ctagatgaac agtgatgagt anataggtaa aaggtagaga gtcgagagat 120
 acagagaaaa gagaacagtg actagtagtt cattacaana atttggtgat gctggttgc 180
 aaagtgtctt tagagacagc accgangatt gtatccttct tctcaccatt gacaaagatc 240
 atgatagttg ggatgcttct aacaccatac tggccanggg ttgcaggaga cncatcagt 300
 ttaagtttgt agnaacttga actggccggc gtacttttgc ncnanttcgt tgacaatggg 360
 atcaatcact ttgcaagggt cnacaccatg gtgcccaaaa agtccgnc 408

<210> 183
 <211> 167
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-037-Q1-E1-F8

<400> 183
 tttttttttt tttataaata cgagttccca tacacataaa atgaaaagaa accaaggtaa 60
 gatatgtctc aagagtttta ttaagcatga gatgatgaaa atgttggttac caaatcttac 120
 cttggtttct tttcatttta taaatacgag ttcccataca cataaaa 167

<210> 184
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-G10

<400> 184
 tttttttttt tttcagaatc agtaaaactt agaatgagcc acatgaagaa agagatttca 60
 ttagcagtga agaaaaaata gacaagcaag aaccgacgaa actctctctt gctctcaagt 120
 tttgactcca attaataaaa tggcgacaca gtgaaaagaa aataatagtg tttttttttg 180
 ccattgctct acgcctaaac tctctaaaac caatagagct ttttgtttca aaagcacatt 240
 tacgcagcaa cagacacacg gggagcatca tccacgggtt tcgtagctct gttagcatca 300
 tttccgccac caggtcttac tcgtccattg ttaccattgg ccctcgggaa cccaccacca 360
 tcaccatttg ctcggtttgc gtatccgctt cnattgttcc cc 402

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngtg tgtgtaacta 60
 agaaaagtac aaaaccacac atgacacaac agtactacac tctcaattat gtgtacatga 120
 gctataaaac tgcccccttg tttactaact agatatataa cgagtactgt ttaatttaat 180
 ggtttgatat aactaaaaat taggagaaag agaagaagga gcgtttggca ggaggacgtc 240
 caagggctct catgagatta gcaacttcaa ctacttttgc aacctctgtc cctctctttg 300
 cctctgccgt cgctctttct tctctcgctt tctctgcgc ttctgccaca ttgttttgcg 360
 tttctccat cgcttttgc tttctctct ctag 394

<210> 190
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-H12
 <400> 190

tttttttttt tttgttgaaa gcttgattct ttctttttta tggctgaata tttcacaatc 60
 caagcttgtc atatacaaaa tagacaaagt tgcagacaac aaagtgtttg tttagatttg 120
 atagtcgact tcatatgggt ttgtacctgc cctatagtaa caagcttcac attcaaacga 180
 aggccgagat gcagcatcag tgattgcaat ctcatgtcga cgactactgt gattagtgc 240
 atatgggtta ttgcagaatc tgcacttggg aagcacaagc caacattcaa gacacagaac 300
 atcatcatta ccacacgctg cttcttgact ctcatgtatc gaaccaacaa ggnacactgc 360
 gcactctgca catcctaagg atacaaagcc aagcatccac cgga 405

<210> 191
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-H5
 <400> 191

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 gtgatccctt tttaaatttg tttgtttgt ctagcattat tatataaaat acgaattaaa 120

atcttacaaa tcataagatt gtttcccagt gaatttaacc tcaatgggac taacattttt 180
 accgatggat ctcatgttta gtccaacacc ttctcttctt ggattcnctt tctctggata 240
 aactccatct ttccgggtgaa gatattgaac ctctccgtta cgggaacact ctgtaaaact 300
 ggtaangtga tentgtactt tgacctcaac ctcgtagcna aagccaanac acgggttcnt 360
 tcctcgncag tttcaagcag antcgggtcc gtctnctcat tanccgcagg ctctccccgg 420
 ntggca 426

<210> 192
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-B5
 <400> 192

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 ccatcaaagt tatcacaaaa ttcgaaagaa agagaaaggt agtttcagag aaaatggagg 120
 acaaaagtta aaaataactc aatgaaaatc tgtttcccca taaaataaaa cttcaataga 180
 agaagccgag aaccttgect ccaacattct tccttctagc ttcttcatgg tccataatgc 240
 cagcagatgt agtcagcacg atgtaaccaa actgtctaga agggagcaaa cgggcagtcc 300
 aaccttcaat ttcttggaca ccaacatcaa aacgtgggct gataacacca cacttggtca 360
 accttccgtt caattcaacg acgatnttgc cagatctgtg gtcanc 406

<210> 193
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-B9
 <400> 193

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaatcat 60
 tacacaaacc attatacatg ccaagattca aacatttctc atcagaaact gactaaaaag 120
 gcttgctcgt gcagaagtcg cagaagcact taagaccgtc gcattttcca cctttcgcgc 180

ccttgtaaaa acgacaatTT cgataacaca acgacggata aatcctagcc atacaatagc 240
 ttaaaggcgc atcaatgtat ccttttagac attccttata tttcgcttct atctcaagat 300
 atttcagagg tgaccaaaaa gaggattaaa aagattgcga agttagaaac tgacttcatt 360
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<210> 194
 <211> 405
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-C1
 <400> 194

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 aacacattat tcaaaaccca ctctttactt actcacttac tctcttctgc taagattagc 180
 caagctcatc aagaattaat cccctgacga taataatgat cctacagcct cctccatgct 240
 cttcccattt ggattcttgt tccattccaa catttttcta aaagtctcca cgaatttctc 300
 cgcgtgaacc actctccatt cctcgaaatc ccattctcca tacattctag gatcatcttt 360
 attaaccan acataagttt caactttcaa cttctcanga attta 405

<210> 195
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-036-Q1-E1-F9
 <400> 195

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 aacggagaca catgggttgtt agttttctaaa acatgaagga tcattctgat tttgtattca 120
 aagttcaaac caaaaaagaa cacgaaagca agagtcggaa acagagaaat gagcaaaaca 180
 agctttttaga aaatcaacta gagagggagc gatctggtga tgattcttca ttcctctgca 240
 gcacttgagg cactcaggtc aacacttagg tccagttgct ttccgggtgat tagggatatac 300
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397

<400> 196

<210>	197
<211>	415
<212>	DNA
<213>	Arabidopsis thaliana
<223>	Clone ID: ARABL1-036-Q1-E1-G5
<400>	197

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caacaaagat	ggaaaatatat	aattaacgac	gattttgttt	tacatttcac	acattttatt	120
tacagaactc	aataatccag	cagtgataag	cttggcaaac	gaacttgcaa	tgggtaaagc	180
cagaagctgc	agccaaaagct	tcaaactcag	ctcttgatct	ctcttttcct	ccggaacatt	240
gtgtgaacat	taacatgtcc	atgtcaaagg	caatgtttgc	gttgatgtct	ccattctctg	300
cctcatcagg	agtgactaat	tctataacaa	ctactttacc	gctttctggg	agtgatttcc	360
aacaattctt	aagaatcttg	acacaatctt	catcggtcca	atcatgaaag	tatac	415

<210> 198

<211> 373
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F8

 <400> 198

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 actgaatggg acaacatcaa accaaacctt ccttggttgc ttgatgctat tgtctgcgtc 180
 gtactagatc tatttataat actgcagtat atctactaca agtattgcag gataaagagc 240
 ttggaaagca gagaagaaga cgcctatgga gactatgttg aagcaancaa aacttttggt 300
 tcgtgaatca ctatttatgt tacaaggata atttgatttt cttttgatct taagtattat 360
 tgatttaaaa naa 373

<210> 199
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-G8

 <400> 199

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 aaagagatcc aagattgcaa tttatgtccc agctggctaa tacaaacgaa catctaggaa 180
 gtgtttgagc tatggattga ctatagcttg gatctgctcc aatgtcttcc cttttgtctc 240
 aggcacgatg gcantgacga agacaatggc cagcgcgttg atggcancgt aaatgangaa 300
 agttccgtaa ggagctccag gacatganga agttgaaagt gtaagaaana gcccacgctc 360
 caagancaag ttcaccagcg tcgccaatgc ngcctgctac ctc 403

<210> 200
 <211> 286
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-H3

<400> 200

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 aggagtcca atcgaacaaa gtgtacattt tggaacaaac ttgcttaccg tcatcgctgg 180
 aactgccgag agagctccca ctctcgaagc catttctact ttttttaaga gcttccaaaa 240
 tgtacacttt gttcgattgg nantcctttt aacattgtca aaactc 286

<210> 201
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-H6

<400> 201

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 acaaagtnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnntcacat cacattcaca naaactcgtc ataaatanac catcccaatt 240
 cccaaatggc ttangaanca aatgtccagg gcacaacagc aacacatggc cgcangacag 300
 cctttgnaga atccgtcacc cttanacttg ggtttccacn ttagcctgag ctacngagag 360
 catgactccg gttggctagt cggggtaacc aancgggcg 399

<210> 202
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-A12

<400> 202

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tccaatttaa gaccatanaa ggagaaaatc gtgtgaaaga caagacagat agacagacac 180
 gaatattcag aannaaaaaa tttcttttct ctttctaaca ccacagattt cgcaatcgtg 240
 ttttgatctg attcttccag gattctcccg gtggcggaga gaaganacag gggaaacca 300
 nnaagcattt ttcncaatgg ccgtcgacta cacggagaaa agtttgnann ctttcagann 360
 naacaagatg gatcngtcnn ccgncggctg ccatgtggan acaa 404

<210> 203
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-A5
 <400> 203

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cgttttggtt tcgttttctc 180
 atctattatt ttctcaacca gatctaaca gatccccaac agctcagaaa catcaccgtc 240
 ctcaaagatt cctccgcttg cctcagcctc tcaactcgccg ccgcacaaaa tcgactcgat 300
 tccaagatct cctttaagcc tcctcaccga cgacgacgac gacgcactcc gtgggagacg 360
 aagaccgatt cttggcnggn agatcttaaa gtcgtatctc nggcc 405

<210> 204
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-A8
 <400> 204

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 catctctgta atatatgaag aagtgtacat acatgtaata tacacaaaga accnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttca aaatctacga 240

accaaataag actcttcttg atacaacaag acttgaatgg ttctcngttt ttgtcctctg 300
ataaaaagact cccagcaaaa tcattcagat acgtgattta gtttctgcag tgttttgctt 360
tcngtccggg ngaaatcttg ganctgccgg tcgngttctt ccagcaacng atccactttt 420

<210> 205
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-B4

<400> 205

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tcttattaac acaatgacac aacaacgaat gcataagcat tacaagaagc aagacnngag 120
tttaccacaa ncacaaagag cttcttttag ttctgatgga ttccacttgg ccatgtcaga 180
ttcttttacag gctcnagaat agcttcaacc tcagacagag tttcntgac catccccagn 240
ctttcaagct ctgtaactgc ngcancattt tcttcaacct gtgagacaga gctcatcnga 300
atcaacaccg angaaatctc cttgtttgcn aaactgtatt gcagagcnta acnntgtgat 360
catcnttgcc ctttgcgttt gcngtgagca actgcngggg tgcntgnagg acttgaggcc 420
canggggaac cg 432

<210> 206
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-B8

<400> 206

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aggaaacaac aaacatttta aagaacaaag cagtgaagaa aacacgcttc ctgttttgat 120
gagcagatca cttagatggg tctctatggc tctcctccaa gctcaactct caggttgtca 180
tatggataca ctctcggtgt aaatggaacc ttagaagctt tgtcgttcaa aacacgcgagc 240
agaccgagac cancagagaa ccctaattcg ccaactcaacc atgccaatgc ttcatacttt 300

ccgacgggtat cagcaatccg atctatgcaa ggctctggaa acgcagtcnc gttgtccan 360
atcagctcgt cgtttaancg atagcggntt atcggggacg atgtgtttgc cnacgggg 418

<210> 207
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-037-Q1-E1-C10

<400> 207

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tatatatatg tagagaagaa acgaaaccac gcgcgaagac actcactcat tagaacaac 180
tctttgaaca gagagtgata tctacgacca gccaaaccag taatcaagaa tatagaccag 240
acccaaggag aatgggtaaa gcaagtaagc tatgaaacat gtccaaagag gataagttgt 300
gcggaaactc gcgaaaccgc ccataccag acaaacgatg agaataacca acacttctga 360
tgagaagtgc catgtcagtc ctgaacgggt agacgattgc 400

<210> 208
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-037-Q1-E1-D12

<400> 208

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aaaactgggc aagagtccag tttggaaccc aactaacttt gtgttcacca tgtgatgtct 120
ctcggaaca ttaagtatac tttaataaag acagttttaa gttttttttt tttaaaggatg 180
aggatgatga atgcaagact tttatagggt caagctttcc gatttgatgg aaccacagaa 240
acatggaagt antcctttcc attcctttgcc ggggttcact gtgatcggtt tcgcnacagc 300
cgcgctttcc accgttatac aacgcttana gncntcaact cccaaatcgg atacnttctt 360
agcccatgga ttccanacca acgggggatc 389

<210> 209
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-D4

<400> 209
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 aatccccccac aacacaatct tctgtcactt ggctttatca gagctttgta tctctctttt 120
 catctgtgtt tcatcatcat cgtctcgtgg aagctgagag gaggagatcc ggtggaagac 180
 ggtggtggag ctctgttgaa tctctcaggg ctacngctcc tttctcgctc tcttccccat 240
 ccantgntgc ttctactgtc acggggaagc aaagctacct ctgccaccat aaccagagtc 300
 gccaaaccag accacggggc gccnggaagg aggtcccca cgaactgaaat tttgttcaat 360
 ccccccacac cacgtgtagc catttcgncg gatntgaggg nggaactccc tgggttt 417

<210> 210
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-E11

<400> 210
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 caagtgatct ctttctcaat tgcacatcaa atgaggtaac aattacaaca aaaaactata 180
 aacctcccc caattgtaat ctaagaaaa atgaataact ttaaacaagt caaacttgat 240
 ctcatgtan aaaatctgta agagaagctt gtatatcttc caatgttctt cctttagttt 300
 cgggtaccat cgcataant aangacnana cccgcaccac atanagtaaa cgctcgagncg 360
 ggttcccgag cttacngtan gcgtggcagg gcgangtcat a 401

<210> 211
 <211> 411
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-E6
 <400> 211
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 atacaaaata tctgtttttg ttatttgctac aaagaaacaa ccagaaatta tattcttctc 120
 tttgttttat ctatcttaca catttgctga tgatcttcat atatagaacc accacacaaa 180
 ggaaacttcc ttgaggaatt tatactcttt gtcttttcga gctcatgctg ggcgcggaacc 240
 ctttttaaaaa gccgagtcaa agatgatcag atcagcttaa acattctcaa aaccactttc 300
 tcatggatta agtgagcttc tttcacctta taatccttat cccatatagt gttgtttcca 360
 cacctaaaga cgtatagtgg ncacaatttt cgtcacatgg gaccnatatt c 411

<210> 212
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-035-Q1-E1-H10
 <400> 212

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 cttattaaaa atgataacca ttgaaaatag tacttaagaa gattaaaaaa ccaaagcaa 120
 gaagagtcac agactcaaaa acataacaag acacaaagta cttaaagtag caaataaatt 180
 acttgctaac attttcttct tcttttgtct ttcaaaagac agtttttttc ttcacattta 240
 ctcanagcc ttctccactg gagctgtcac ggaggcttcn acggcggtt tctcctctc 300
 tgccctnggn ttctctctt cctccacaaa ccanntggag ctctctcggt cttccgtnc 360
 gncgnacgtc ntccnctn tcttcgcnc taanaaacct ccgccgntt ttgg 414

<210> 213
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-A4

<400> 213

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aataacaatg gcttaaaatg agtttcaagc gtatataatc cataataact ggatcaaata 120
gatatacaaa cacataaact ganaaacgca aagtcctcgc aagtacctct tcatttccac 180
acaaaggcaa cacacttgct tagcacacac cattcatctt cntcctctcc ttcacaaact 240
tcctccatcc aacagtaagc ttccatcaag aancnccttc gccatctncg tcncttttac 300
attttccgcg atcccttcta ntcccatnnt ctnagagatc ttggaagggc aaggtatcga 360
gctcatgaag caccttcgaa atatcaggca anaagtcgc 399

<210> 214

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-036-Q1-E1-B2

<400> 214

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aaaaacacag taaaaaagat gctatattct aagacattga agaaccceaa aattaagaga 120
gaacataaat tatgcaagta gaaaacaaac ccagtanaag aaagccaaga ccagtttttag 180
tttggtttgc ctggaaggac acccttacta cgacgattct tcatccccag cttaaacttc 240
ttcttcaact tcttcccaat aggttttagc gacttgtttt tcttctcanc atcnatttcc 300
ncatcacgag cgntggcgat tgtantggag gcangatgca tnaactcanag gaaggcgtcg 360
canncttcca naancggaga aanctggggc ttgacgaacn gggnacttcn ggggcagcga 420
gatt 424

<210> 215

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-035-Q1-E1-G5

<400> 215

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 tgggtgttcag tttctcagac ggctttgggtg acaacagcat ggatagcgtc tgcaagggtga 240
 ggtacagtct tcgaactcag accagccatg cttatcctcc cgtcagatgt catgtagatg 300
 tgggtactctt tagtcangaa ggagacttna gctgggttta accctgtgaa ggtaaacata 360
 ccaatnctgc tntantgant gtgacgccag tctccaggag tcctccnagt acgtt 415

<210> 218
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-B8
 <400> 218

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 tattatcttag caacctttta tttatacaca caaatgtaat acgaatgcaa agcaggggaga 120
 gaagtgacaa ataatcaact tcatttacat ctaaagttga aatttctatt cacttatcca 180
 aaagtactag gacaatatga ctcacgggtg aaggcgtctg gtgctgacaa gttcaatgtc 240
 aaaaacgaga gttccaagag tagaaccttc tccattggcg agacgtgttg ggttaaatat 300
 agtcgtgaag agtctctgtc tgtcaaagaa gtttgggtgg gagaggctcc tgtgatgtat 360
 tctgggtatcc ctgagatgga ggnataacca nccggacgaa tcccggccta cnt 413

<210> 219
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-C2
 <400> 219

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 ttgaataaac cccaataatg cagtaacaag agattctgat aagctttttc tcttgggtta 120
 aaaaggagtc aagagatata taacatacag tttttccgcg tatgtaatat gcacaaacca 180

CC440304-440304

cttgatgtaa tgagccgtct cttccatcag ctttgacgtc nccattcctc ngcctcgcgg 360
aacaggattc ctcaggcctc gtccgncggc ct 392

<210> 222
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-036-Q1-E1-C6

<400> 222

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gcatattgga agaaccttat accagtatca atatcaaacg agtcgtggct caaaaactcg 180
catagtttct gcaaatatcc aactgaattc ttggggtcgt ctgtcttctt cccacttgca 240
tacccttga gcttggaat gtacatgctg gatcttattg gaatccaag tgcgttggat 300
accattggta aagtccattt tgcaagagat ttactgcaga acttcactaa tagtatccgt 360
cgttattccc accatgactc taccaaggta ggatganata gggagctctg ggga 414

<210> 223
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-036-Q1-E1-D1

<400> 223

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atccagcaat tacgcacacg acacaaacna nttttgtcat ccagtcatca ccanatctag 180
aacacaaact anaaaatacg tatcgtnat gacchanacg ccattcagat tcaggggtan 240
ttaccacgaa nagtacaaat tggaaagcga gggaaaggac gattccgaca aagggtaaat 300
ncgtaagctt cacttanncc gntcttngc atnctctctg taccttagga nacgaancta 360
ccctctgtgg ctaagnctgt tgcttaaacc tgttgatgan aattgaaggc tt 412

<210> 224
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-E9

<400> 224

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tataaggaac acccattccg gtaacaccat gtcagaggt aggcttcaaa agctcatact  180
taacaacacc agctccagct ctattcttta gagtaatgtt cacgtttctc tcatctatca  240
ctccttctag atattggagc ttgcctttga atctttcana tgcagcattg ataacaggct  300
cattggccca agatgcntct tgtngttctc caatgtactc ttccgtcagg tgaatgtgtt  360
gataanagga tcaacgtgac catcactagg gtcgcct                                397
  
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<210> 225
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F2

<400> 225

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aaaagtctta aacaacatta cattaactcc tttcacataa acagaaaagt cttaaacaac  180
attacataaa ctcttttcac acagacacaa aaggctcttt cntgctcaac gcatcaacac  240
tcttagttca agatttcacc tgtnatgggt gaaacatgtn ggctentaca cntctgccca  300
tttttcgaac cgaccactac cataggcttt ggtgggtatca aaccggggccc tgaaaagcat  360
genttcacng tgtcngttgg ntgnnctcc aacagatnng caagnacctg gagtccggcc  420
aaa                                                                423
  
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<210> 226
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F6

 <400> 226

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tttttttttt tttattagaa atatacttca tttatgatgt acgaaaagaa agatcgaatg   60
tgtaataacca aaattagaga gaaaaatatc ttaataatTT ttttcataac ttaaaaaacg  120
taatagtttc gcagaaaaga ccttcagaaa gtgtaacaaa aaattataaa actaacaaaa  180
ttcaacccaaa gagaaacgaa agacagagat agcgaggctg aaggaccagg ggtctttact  240
agcccaacga aggggaactga gctgtgtctc caatcgccgg agctgcagct tcttttgcatt  300
acctttgggt tcttccttca ccacgaccac cgcgacctcc tcttccgcgg ggagcctcca  360
cntctcccgT tgtactcttt ccatcaagcc gggcntc                               397
  
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<210> 227
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-036-Q1-E1-F7

 <400> 227

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tttttttttt ttttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caccacacca attattcgca  120
taaatagtat agatatatca aacgatccaa ttcgggttca gtttagaaac cgtggatctt  180
gatctgatcc ttcttagcaa tcccagtttg gaccaagaac tgagacactt tcttcctttg  240
atcaccttga agctggatga tcttgcttag ttctttgtcc tgcacaacgt taccgttgca  300
gcagaaatct ttcttcaaat ccttgngaatt cctctccgta gctgtactct ttcttaagcc  360
cttgaacaag tcgtcaagct ctttttccca tctctccgct ggnttcgaaa tgtg          414
  
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<210> 228
 <211> 311
 <212> DNA
 <213> Arabidopsis thaliana

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<223> unsure at all n locations
<223> Clone ID: ARABL1-030-Q1-B1-H1

<400> 228

aaagacggtt cgttgcacaa gcgaagacaa gccttgggat atatctacga gaaacagatt 60
gttcacgctc tgtttgctga ggttcctgat agatacgggtg agagaaacgg tggatacacg 120
aggatcatca gaactcttcc aaggagaggt gataatgctc caatggctta cattgagctt 180
gtctaaggtc aatatctctt ttattttgct caattgtttc acttttgctc tgtaatattg 240
aaaaaacagt tgttgatgca gatatgagat cattttgttt ngtgaaacaa aatgatttca 300
tanctgcac a 311

<210> 229
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-030-Q1-B1-H5

<400> 229

attgaattta acgaacacta tagaccagct atgacgtcna atgcacgcgt acgtaagctc 60
ggaattcggc tcgagcggct cgagggaacc gatgattggt ggtagaaagt tcttggtcaa 120
ggtcaatgcg aatatcgga actctgctgt tgccagctct attgaagagg aagtctacaa 180
ggttcagtg gcaaccatgt ggggagctga tacaatcatg gatctctcaa ctggtcgtca 240
catccatgag acacgtgagt ggatcctaag gaattcagct gtgcctggtg gtacggtgcc 300
tatttatcaa gcacttgaga aagtggatgg aattgctgag aatcttaact gggagggtttt 360
cagagagact ctgattgaac aagctgagca aggggtgtaaa ctatttcaca tccatgcctg 420
ganttttgct gcntaaaatt cccttaatgg caancctttg aacnggattg nttccccttg 480
anggttcaat caag 494

<210> 230
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-H7

<400> 230

gagacaaaaa ccaacccaaa ttctttctat atattaaaaa aaaatcaaca caaaggaaaa 60
aaaaatggat tacgttttgg ntgttttgcc acttgcatg tttctcatag cttacaaatt 120
cttattctca tccaaaacgc agggcttcaa tctccacca ggaccaactc cgtttcctat 180
cgtcggccat ctccacctag tgaaaccacc ggtccaccgt ctcttcgcc gcttcgctga 240
aaaatacggc gacatcttct ccctccgtta cggctctcgc caagtcgtag tgatctcttc 300
attgcctctc gtaagagaat ccttcaccgg tcaaacgaa gtcatttaac aaacagaccg 360
aatttcgga cggcaaatan gtnnctaaga ataacacaat ataggaacgg cggcttangg 420
t 421

<210> 231

<211> 387

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-A2

<400> 231

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nnnnnnnnnn nnnnnnnnnn nnactaagaa canaaaatcc antaacaagc tcaagcatta 120
catcaaactc aanattgaga naacaaaggt tctatcatga anaagctcaa gcattacatc 180
aaactcaaca gtgacanaac aaagcttttt cncacaaaaa caatagataa cagtanaaac 240
aaacatagaa aaacatagca aaccaaagan atttttcnct tttaaagtcn caaancttca 300
anaacattgg aaaccangtt gaacnattgt ggcaanaaag ttccccaagg tttccaaggg 360
ttcttgaaga tttgaaacca tgagccc 387

<210> 232

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-A7

<400> 232

tttttttttt ttgaatgaag ttgtttatag gttcataact tcacaacaca atgtaaaaac 60

ataatcaagt accagtacca tcaactcaaaa ataacagaat aagagaatag atctttcaag 120

gggatgatga taataaactt tgggtttttac tttttanttg gcacggctcc tgaaaacatc 180

gagatccatc tctgttggat cagttgcctg tagctctact tgaatcccat ctaagttccc 240

tcttgaacct gtccttggag ctgcgctaga tcatctngct tctcacctta gcaatatccg 300

gacaccacgc gantgaagaa gatcttgctc ttctggcaan tctcagcaag ttacaaagtc 360

aaaatcgnaa atggcgtaac gggcattcat caancggaag acatgcgc 408

<210> 233

<211> 496

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-G1

<400> 233

ttgaatttan gcaacactat aggccngcta tgacgtngaa ancanncctt anttancccc 60

ggaattcggc tcgaggggtgg tgtcattccc ccagcgtggt gtcctggcgt taaaaacctc 120

aacagcatag ccaagacgac ccagaccgt cagcaagctt gcaattgcat tcaaggtgcc 180

gctagagcct taggctctgg tctcaacgct ggccgtgcag ctggaattcc taaggcatgt 240

ggagtcaata ttoccttaca aatcagcacc agcaccaact gcaaaaccgt gaggtgatga 300

gctagcaacg gtgagatgat gctactaccg gaagtttcga atccttatta tataatggat 360

gagattaata ttaaataaga tgttcgaatg tttgntttta aagtttttaa tttcctgtcc 420

ttttccaatg tgggtgttcct gttanatggg tttgtcngta ctatgttccc aagnaacaac 480

gttatatgaa atttca 496

<210> 234

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-031-Q1-E1-C5

<400> 234

nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	caagatctta	ggcatgtgca	ttttatataa	60
gagagataaa	cgaagaaagc	atcaaaagat	gttatcatta	tcatcaaaca	caatcaacgg	120
aaaatntaat	aacatgatca	cncaagttga	ccataccaca	ccccttggat	cttcacatcc	180
tttggtacct	tagcacccaa	gtcagtatcc	gacggctgaa	gactctcgaa	cactccgatc	240
acctctcctg	tctccggctt	gctctttgtc	actttcagag	tgatctctcc	cactgaagcg	300
gcangtggtc	ttcangttct	cctttacaag	ctcncctcg	tcncctctgc	ctcnatctgg	360
caatgccacg	gagttgtcat	atcctggtgn	gattcaccag	ggccctttg		409

<400> 235

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<210>      236
<211>      419
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-031-Q1-E1-D6
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<400> 236

aatcgttaat agataaataa aattttaaaca aaagataacg aaaaacatac attcatatcc 120
 ttgatgtaat tcaacctcca gaactttaag tattaactta gaataacatg agaaaactag 180
 tactgtccca aaaaaagaac catccccatt gggtttttaa ccagaaaacg aaaaggctct 240
 ctaagcaact ggcattgctg gataatctgt ggtgggtaat ggagcttccg gtacaaaagc 300
 agcttgagta acaacctgag cagggtgcaat gtatacatca tcttctttcg gtgtatggat 360
 gatcacaaca tcaggcaatg gtgtcatcng tcccttggtt tgcccctggg ggtcccaat 419

<210> 237
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-E6

<400> 237

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cccaaatgtc 60
 acattganga agagaaacat tnggtttttg gaagaaaaat tgtanctaca gaatcaaaaa 120
 catcannccg ttttctcaca aaccaaganc accnaaaggc gttttcccn gcccggcctc 180
 aaagtaaaan atcaacatgg caaccattgc gagcctcaan tgcttaatat ctgccaattt 240
 cagcctctcc agctttctcaa agtcgggctc ataaacaccg tcgcggtttt tcccggcnag 300
 acccaaggga tcgaagaatc tcccaacggg gtatcccgna tcgcccgtac cagttccgcg 360
 aaattctcgg ccgtcttcga ccangggcgt t 391

<210> 238
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-E8

<400> 238

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 ttaagcaagt ctgcagtttt gctgcaataa cttataagtt aacaggaaaa atgaaaaaga 120
 gcttttttgt tttgttttgt ttgatctctc tctctctctc gagtaagtca ttogaatcat 180

agacatataa gaatcagaca cttgcagggt cgaaatgatg attaaatctc taagcttctg 240
gttccatagc tcaaccttgg ctatcgagat taccatggcc gctacttctc ccacttccat 300
aagacacatc atcaccacca ccagctgaat tctgccaaac gctttgccat gcctgagaan 360
gangctgagc ataaacaccg ctaggattca tcgccgtctc tccaaacanc atc 413

<210> 239
<211> 383
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-F2
<400> 239

tttttttttt ttttttttta ttaaaaatct aagtttaatt gtaaaaaata acagcacaac 60
acagaacaat ataatctgtg agaagataaa agtaccacaaa ggtaaaaatct atgaataaca 120
caaaaatggt acctaacaac atataacaat aaaccaagaa gttccaagtc tttggcctgt 180
agtctcccta gacccaaata agacctcatt tattggtaac tatagcatgt cgaactagtg 240
gtagagttct aaacctcttc aggaacaaat agctcacata gtagataatt cataattgta 300
atttttacaa aggttggcca ttaatccacc ttcgaaacat gataaaactc tcntgtgggt 360
taatccccgc tgtgtgccac ttn 383

<210> 240
<211> 399
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-F4
<400> 240

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acagatattt tctttcatac agaattaaag aaaaaagggt tcaatcacac tatcacaggt 120
cgcttacgtt aactaacggc ggtggtgagc tccggcggcg atcggagctg gaggtgggtt 180
gcattggtag catttggcaa agaggccaaa agtatcaatt tgcttgatga agttgggtcat 240
actggcccat ccgccaacc cgaacccgag aactaggacc caaaccacta tgaaagcgtt 300

tatcacgtaa actccagccc agctagggat aaaaaacggt ggtttctccg ccgcgttccg 360
gccgggcaaa agccgttgcc ggtacgtnaa ccatttggg 399

<210> 241
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-F5

<400> 241

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnngac cgttatgaat acaaataaaa ctatggagaa aaaccaaact cgaataaact 120
ttttggttgc accaataaac agcataagca atgaaagctt gaaacaaatc taattatgag 180
attctcggtg aaaataaaac accacaaaac aagaatctcc aaagcaaactc tgataacatt 240
acatacaaag ctgagttttt gacttattcg caagcaagtt ttgtgtcgaa actgctcaaa 300
cagatagcga aagcctgaaa cgcagagagc ggataccgga aatccatcgt gaacangtct 360
tttcccactt tccaagnctg caggtaagat cttgtcggga acatcgggtc t 411

<210> 242
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-G1

<400> 242

tttttttttt ttatttgggg aaaactgata ttcaatttct catagagagt gaactgtaca 60
cagggaaaaa tgaanaaaa tatatcnct ttggatttac agtggatggt gtccttttac 120
ctacgcaaaa gttctttggt tcanccggtt ttagatgaa tccacaaact ccagatcttt 180
tactcggcaa agctctttct tcggtgagaa taaaccatca ttaataaact acacttgtct 240
gagggttgctg gtgaataagg agctgcaaaa acttccatta natttcttta ntaacantta 300
accggagaaa ggtactttat cancnccag atcnactggg ttccctccann agtcatnncg 360
aattccgagc ttgtcaaaat ctactggtaa nttccanaag gtttgccccg tt 412

<210> 243
 <211> 666
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-G10

 <400> 243

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tttttttttt ttggagggtgc ttcacacctct ttaggagctg ttggttcttg agtgacaggc   60
ttagtaggga ctggtttgac ctctttgggt gcaactgatg ccttcggtgg aggacataa  120
ggccgttttg aaggaatctt ttcaagaagc ttttcaattg gagttaatgg tgcagttggt  180
tcagcaacca cttccacaat cttagagaaa gaaagttgag gattctttgc catgcaagca  240
agcaactctg caacctggag atttgagacc.tgaccaccaa acaatgtatc gtctagagca  300
agagtgagat catgagtttc tttgtatgca tcagtcggtc tctccattcc tccagggtcta  360
actattgcgt aattaagacc gctttcaatc aatgcttctt cagcttttct cttccagcaa  420
aagaactccc cagaataggt tgagaatcnc agcgggaaat ccaaatttat ttgtcccaag  480
gatgtcacca aaaatgaaag ttattaactt ttgctgatgt tgcagcatca acaaggtttt  540
tgggtggcta aggttaaccg attctggtaa ggaccggtta atatccggaa atntcnttcc  600
tcgctaagca ccaattnagc ataataatca ccgaatgcaa ttccccaat gcggggctgt  660
aattna

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<210> 244
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-C7

 <400> 244

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ggtggtaatc ntgcagtagn ctgtgaatta ccngagacac taggnnccga gctatgacgt   60
aaaatgcacg cgtagctaag ctcggaattc ggctcgagcc tccggccaac cttaaccctt  120
aagcgaacgg tgttcctttg cggattgcga tcgttcgctc gatcccttca tcgncgac  180
taaatctcta atcgtgtcgg agattaaag cagaggtttt gtggtgaatc atgtctgatg  240

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tcccttcttg ttctagcggg aatgatacaa acaacaatga ttcgagtaac ttcgaatgta 300
 acatctgctt agacttgggt caagatccta ttgtcactct ctgtgggtcac ttgttctggt 360
 ggccttgttt atacaaatgg ctccatctcc attctcaatc taaggactgt cctgtttgca 420
 aagccgtgat cgaagaagac agattggntc ctttggtcgg tanaggtaaa tcgtcctgct 480
 gancctcggg ccaagtccaa tccgggtccc gaaat 515

<210> 245
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-C8
 <400> 245

cctcaaaact tggttggtaaa tccacacact catcaagtga aactatgcga ttttggaagt 60
 gcgaaagtnn nggttaaagg agagccaaac atttcataca ttgtctcgag gtattacaga 120
 gcacctgagc tcatttttgg agccaccgag tatactacag ccattgatgt ctggtctgca 180
 ggatgtgttc tcgccgagct tcttctcggg cagccattgt tcccgggtga gagcgggtgtt 240
 gatcaacttg tanagattat aaaggttttg ggaacaccaa caagggaaga aatcaaattgc 300
 atgaancccg aatttacaca gaagttcaaa tttcctcaaa ttaaagctca tccatggcat 360
 aagattttcc acaagaagaa tgctccaaaa nctgttg 397

<210> 246
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D1
 <400> 246

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 tctgatgtca acgacggcgn ngatctcgtg atccgtcagg tggttggtgg agccgagcct 120
 caggttttga cctcagagga tcacttttct ctcttcaagc ggaagttcgg gaaggtctac 180
 gcttccaacg aggagcatga ctatagattc tcggttttca aagcgaatct caggcgagcg 240

aggcgtcacc aagaagttgg atccgtcggc gactcatggt gttacgcaag ttctcaaatt 300
 tgactcggtc tgagttccgt aagaaacact ggggggttaa aatgggttta aagcctccca 360
 aaagatgcaa caagggtccg attcccccta acgaaaatct ccctgaagga tttgattgga 420
 gaa 423

<210> 247
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-C4
 <400> 247

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 aaatcaattg gtttcccggt natatggctg cagctactcg cgccattcgt aaccgcctca 120
 agctctccga tctcgttatc gaagttecg atgctcgtat tcctctgtca tcggcgaaacg 180
 aagatctaca atcccaaagt tcagctaaga gacgtatcat tgctctgaat aagaaagatt 240
 tagcaaacc taaatgttct caataaatgg actcgtcatt tcgaatccag caagcaagat 300
 tgtattgcc ttaatgctca tagcagaagc tctgtcatga agctgcttga tctcgtggag 360
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 cccaat 426

<210> 248
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D3
 <400> 248

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 caccaagttg ccattcttg nnaaaggtgt tcttacagga gaggatgcaa ggatagcgat 120
 tcaagctggg gcagccggaa tcattgtatc aaaccatgga gctcgccagc ttgactatgt 180
 cccagcaacc atctcggccc ttgaagaggt tgtcaaagcg acacaaggac gaattcctgt 240

cttcttggat ggtggtgttc gacgtggcac tgatgtcttc aaagcacttg cacttggagc 300
 ctccgggata tttattggaa gaccaatggg tattcctcaa tggcaactga aaggagaagc 360
 tggagttana aaaggtgcnt caaatgctac gtgatgaatt cnaactganc atggcactga 420
 attggt 426

<210> 249
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D4
 <400> 249

gaggtgagac gacatccaag gatatacttg cgttccatcg tctcctccac ctctttatgg 60
 tggctatcat catagccagn gaccattttg ctatcatctt cacaagcagt aaagtacttc 120
 agcgtgcagt gtctaagcta gcttatcttc ttggtataac catggttctc aacagtgtgc 180
 agccggttgt ttctggtgtg gctgttgag gcggttgga aggcttagtg gcctatatca 240
 acttgggctg ttactacatt tttgggcctt ccctttggat atcttccttg gttacattgc 300
 aaaactttgg agtgatggga actttgggcc tggaatgata accggggaca acgcttcaaa 360
 ccgttggttac tgttgattgt tccggtataa gacaaactgg aataaagaag tgggaaggan 420
 a 421

<210> 250
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D5
 <400> 250

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 ggaaccaagc gagagttctc agaaagcgag tcagtttcag gagcaagagt tagctcaggg 120
 tcgtgggacg gctaattgtg tgctcaacc tatgtgggag gttgcgccag ggactacgaa 180
 tggaggtagt gcgttctgga tgcttccgat gagcgggttcg ggtgggcggg agcagatgca 240

gcagcagcct ggtcaccaaa tgtgggcggt taatccangg aattatccag ttgggacang 300
acgagtagta actgcaccaa tgggggtcaat gatgttggga ggtcaacanc taggattagg 360
attggcanag ggcaacatgg cggctgcaat gc 392

<210> 251
<211> 346
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-030-Q1-B1-D6

<400> 251

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ttaaactcgc cggaagatgt attcgganaa taactaggac cggagccgtg ggccatgcaa 120
accgttggta ctattccatt actacacagc ctacaggagc tactcatatn aagcattana 180
ctttggcaca aaagaggctc anaaacattg caagcatgga taccantcgt tggtcnaaaa 240
atcagganta cccatttgct gattttgagt tcccctccct ttgctttttc ancattctcg 300
aattctttgt gttggtcgga ggattcaaat gaanttttaa agcaaa 346

<210> 252
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-030-Q1-B1-D7

<400> 252

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tttagttatg aaacaatagn gaccaaaaaa ttgccaagat tgttcttgaa tcttacttgt 120
gcattgtaaa tagagtctgt tagcaaaactt tgaccattga gtattttgtg ctttgtgtct 180
agattcttga atcttattct atgggtattg gacttcataa atccattttg ttcttttagta 240
gttggtaccc aaatattgat ttttcaatag tttcagaaaa cagaccaaca tggaagatcg 300
gtgcttgatc aagaacgata tcaactgaatt gattggtaac acaccaatgg gtatcggaac 360
aatgttggtg atgggttgcg tggcncgtat cgctg 395

<210> 253
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-D8

 <400> 253

tgttttaaaga atacaaagag gtacagcgag agaaagtagg ngatcctgat attcaattga 60
 tctgtgacga taccaacata ttcaaattgga ccgctcttat caaaggacct tcggagactc 120
 cttacgaagg cgggtgttttt cagcttgctt tttctgttcc tgaaccttat cctttgcaac 180
 ctccctcangt tcgattcttg accaagatat tccatcctaa atgtcatttc aaagacaggg 240
 agaaatatgt ctccgacatt ttgaaagaat gctggagtcc tgcttggacg cctcaatctg 300
 tgtgtaagag ctatcatanc attgatggnt caacctgaac cggacagtcc tccttaactg 360
 cgactcaagg aatcctccaa agattcgggt g 391

<210> 254
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-E6

 <400> 254

gagacagaaa ataaaaaaca atggcgaata agttcactag acaacagatt tcagagttha 60
 gggaacagtt cagcgtanng gacaagaatg gtgatggta cattaccaca gaggagttag 120
 gtgccgtgat gcgttccctc ggtttaaacc tgaccaagc tgagcttcag gaggagatca 180
 acgattcgga tttagatggg gacggaacca tcaatttcac tgagttcttg tgcgcaatgg 240
 ctaaggacac ttactctgag aaagacctca ngatagattt cagactcttt gcatanacaa 300
 gaatggtttc acctcactgt gaattgagat anttgaggac aacctccggg tggaaccaac 360
 cng 363

<210> 255
 <211> 468
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-F3

<400> 255

tatgacgtng aaaacacgen ttntttancn nccgantnecg gtncaattnt eggcnngnat 60

tcaactggtg ctgggggttaa tggcggtagt tcgctgattc atgatttcta tgctagagaa 120

gtagncaacc caattcacct aactgtggat actgggttta ctaatggtga gggactatc 180

aaagcttttg tctcttcaaa cctctcactc ggtgatcgac aactcgttgc acattttcaa 240

gagattcctg ttgatctccg catggttgat gctgagagag tcggattcga tgtacttaag 300

gcaacatctg ttgacaaact cccaaatgac ttggaaggaa tggagttaac aatggagagg 360

ctgttaactc taatcaacga tgtctacaaa tatgttgaca gtgtcgtggg aagtcaaata 420

gctccaagac aacaacattg gacgattcat tgcaaatgca gtaacctc 468

<210> 256

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-F4

<400> 256

cagcantctg aattttaagga acactatagn cccgctatga cgtnnaaanc angccttnnt 60

tancnccgga attcggcnca aggttgattt ctataggaaa atccccgaggg atttgacaga 120

ggcgctctcg tctggtgctg gattgtccat tatagcagnn ctctctatga tatttctatt 180

tggaatggag ttgaataatt atttggctgt cagcacttcc acatcgggtca ttgttgacag 240

gagcgctgac ggagacttct tgcgcttaga ttttaataata agcttcccgt cactttcatg 300

tgaattcgca tctgtggatg tcagtgatgt attaggaact aacaggctaa atgtaacaaa 360

gacaattcgg aagttttcta ttgattcgaa tatgagaccc actggttctg agtttcatgc 420

cggggaagtt ttatcactca ttaatcatgg agatgaaact ggtgaagaaa tagttgaaga 480

ttcgggtacca cttactggac gca 503

<210> 257

<211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-F6

 <400> 257

cacttaccga agcatcttct ccaagaaagc catgactgat atggacagta caaatgtcta 60
 cgcnnngnat ctccatcatc gcactcttcg tctgcattcc tcttgccatc atcggtgaag 120
 gtcctaaact acttaaccat gggttcgccg acgcgattgc taaagttgga atgactaaat 180
 tcactcttga tctcttctgg gttggntggt ttaccatctc tacantcagc tggctaccaa 240
 taccttgga gaggggtgca acgctgaatc angcggttgg naacgttctg aaacgtgtgt 300
 tcgtgatngg nttctccatc gttatctctg ggaacaagat atcgacacaa acaggtatan 360
 gaacaagnat aaccaatgct ggagttgcaa tgnctccat caata 405

<210> 258
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-F7

 <400> 258

ctatgacgtc naatgcacgc gtacgtaagc tcggaattcg gctcgagaga agatgggtgtc 60
 tgggtcaggg atatgcgcga agcgcgttgt cgtcgacggg cgacaccaca tgcttggtcg 120
 tctagcttcc aacactgcga aggagttact taacggacag gaagtgggtg ttgtccgatg 180
 tgaagagatt tgtctctcgg gaggtttggt tcgacaaaag atgaagtaca tgagattcct 240
 taggaaacgt atgaacacta agccttctca tggctctatt cactttcgtg ctcttccaa 300
 gatcttctgg cgcactgttc gcgggatgat tccacacaag accaaagcgt ggtgctgctg 360
 cacttgcccg cttgaaaggg tttttgaggg aatcccaacc tccttacgac aagattaaag 420
 anaatgggtt aatcctgatg ctccaaaggg ttttgagact tcaaantggt cac 473

<210> 259
 <211> 325
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-F9

<400> 259

tcgagccgtc gtccgatcgg tgaacacatg taactgtaac gatcgaaatg ctgagattga 60
aaatgggtcag ggagttagaa acagtgtctg aactacttga gtttgcccaa gaaaccctaa 120
taagaaacct atttggtgac tatttttgact ttgtaccctt cttgatatac ctatcaatca 180
ccattgtcca cgtgtactag tttcgttgta gtaattttca aagtttatcg aagtatgcgt 240
attcgaggat taattaaatc gggaattaca ttttcttgag ttaatttttt ctctttttct 300
tttactaaaa aaaaaaaaaa aaggg 325

<210> 260

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G1

<400> 260

tggnacgcca gaagagctca anagtcgagg ncncccgtag gtaagancgg aattcggctc 60
gagctcgagc cgtcgtggag gagatatgca attgctgacg ctaaaccgg cggccatttc 120
caggacgccc cgcgaagcca tagacccttc ctcatcctcg agtcttcttc ttccttttcc 180
tcagattttg agtcccaac gcgctcttgg tcttgtagct aggccttgta atccacttcg 240
acgaggatta tctaggtttt tatcaagtcg acagcttttc cgacgatcca aagttgtcaa 300
ggcagtagca accccagacc ccatcttggg agtaccttta actgaggaaa atgtagaaag 360
cgttttggat gaaatccgac cttaccttat gtctgatggg ggtaatgtgg cattacatga 420
gatcgatgga aatattgtgc gggttaagct gcaaggaac 459

<210> 261

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G12

<400> 261

ctcgaggaaa aaaaaaattg acaaacaat ataaaatccc tatgaacaac tctagagaag 60
accagtgggtt acaacactat gagcaacaaa atattcaaga gattactccg tgcttcaacg 120
ccattaacat cgcgtcatcg tcgggatctt cccttggaga cggtggtgcc gcggcacatg 180
aagctgctgg aaggagatct agggcttcga ggagagccat accaacaacc ctctaaacg 240
caaaccctag caatttccga gccctagtgc agaaatttac cggacgttct gccggagggtg 300
aatccaaccg cagaaaaggt cgggtgactt tggatttcgg gtctcccact acaatctcca 360
aagaagctat ctttcagtc tcaagcgatn gaagtaata 399

<210> 262

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G3

<400> 262

gaatcttttg gnacgccaga agagcataga aagtcgcngn ccacncgtac gtaagaacgg 60
aattcggctc gagcacattc ctttactcac tctctctctc tctctaaaaa cagagctcaa 120
caataatgat ccactaaaaa agattctctt ttctcttctt ctccggtgat ttacttactt 180
aacaatcatg gcgtcgtcgg agggattagc aagcgttgat ccttggtcat tccgtcaaaa 240
cttcaacatc gattcgtggc tactctctga ttcttctca cagcacagtg atatactcgc 300
taaagctctt cacagatcca tctccacttc caccgaatca tctctctttt ctcttctatc 360
tttcttcgac tcttcaaccg ccgccgtcga tttttctctt cctcaaactc tctccaacgt 420
ctctttcggg tcaagattca agaaatcccg gcgctagtgc tctgggnct cgg 473

<210> 263

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-G6

<400> 263

ctcgagctcg cttctctttc tcagatcccc atccaaatcg ttttataggt agattagata 60
gataaactac ggatatactc gaactctatc catttacggt attgatttgg aaatatggac 120
aagtatgacg ttgtcaagga tctgggagct ggaaatttcg gtgtggctcg cttctcagg 180
cacaaggaca ccaaagagct tgttgccatg aaatacatcg agagaggctg caagatagat 240
gagaacgtgg cgagagagat tattaatcac agatcactta aacatcctaa tatcatccgg 300
ttcaaggagg tgatcctgac acctactcat cntgctattg tgatggagta tgcttcctgg 360
angaaanctc ctttgatnga aactgtactg gccggtaa 400

<210> 264
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-G8
<400> 264

ctcgaggaag tctctggttc ctgatcccat gaaacaagag ctttagtaa ttgaaaacac 60
tccagatcct ttagcagggg aacagacatg gccaacagag gaagaaatgg ctgaggctga 120
caaaaatcag aagcagggca ggctaaagaa gaagactttg ccgcgaggga cttcagaata 180
tcaggctgct tggattgtgg atgaaacaga tgaagaggat tccgataatg gtgattctga 240
tgataatggt atggtattgg atagaggaga ggattccaat caagaaggga ttttattgac 300
caaagaatth tgagggatga cgggaaatcc attgaancct gcgggataat tgatactgaa 360
aactcaagaa tgaatcccg aattggtgga cgaattgaaa gacttgacaa gaagaa 416

<210> 265
<211> 468
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-F8
<400> 265

nttctagctc gttcatagan ntacncgaga cgncccgnc acgcgtacga aanatcggaa 60
ttcggctcga gctcgaactc actactcttc agccgtcgac gccgcatccg ttccatttcc 120

gagaagccgg agtacttctt cgccttctc ttcctctgcc tcttctcgga gaagatcttc 180
ggatttcact ttcgacgatg attatagcga gctgcttaga gctgcttccg ttaggagttt 240
aggtcataag aatgagattg acatgatnat annnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn ngcgttgcca tgggagcggg tacgggtaaa ggcgggttgc ctaagagctc 360
gagtgttggg atgacaatgg ctangattga tgaaagaaag atgaagaaga aggntntgta 420
aagaatcaaa aagaagggat tctggatttc ctaaancctc cggagcaa 468

<210> 266
<211> 361
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-G9

<400> 266
tcgaggggga ctctgctttt cacagttcca gagaatcccg gaatctggaa tcggcaaatt 60
ggagaaggaa tcgaatccta agcattagca gttttaggga taagaggaaac tgtgaagatg 120
gtggggactc tgcttttcaa tctttttctt cttgctagtg atgaaaaatt gttgctacat 180
tttcagatgt gaatgttcaa gattctctat cttttttttt tttttgaact ctttttaact 240
tggagtgggt tcccaaaaaa taagatgcaa aactcatctt tttgttggtt ttctatcttt 300
aatctgtggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg 360
g 361

<210> 267
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-H1

<400> 267
tgagntcgcc agaagagctt agaagtcgcn tccacccgta cgtaagancg gaattcggct 60
cgagaatctt tcagtgggaa gagaatgggt tgctcgggcy gtgggtttcc tcaattgcag 120
aagctttcaa tacgggaaat agagtgggaa gagtggatag tagaacaagg ctccatgccc 180

cttcttcata ctctctatat cggggtttgt ccaaacttaa aggagcttcc tgatgggctg 240
cgatttatct attcattaaa aaatttgata gtatcaaaaa gatggaagaa gagattgtcg 300
gaaggaggag aagattatta caaagtccaa cacattcctt ctgttgaatt cgacgactag 360
gaatgctctc agcaatcaca gaagccagga gtctcataag cctctgtttc cacccaaaat 420
cangtccgaa gataattgca aggtaaggaa nctaataaaa 460

<210> 268
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-H2
<400> 268

gacngcccac ccgtacgtaa gancngaatt cggctcgagc tttagaagat gtctttgaag 60
aacttttgca agaagagatt gtggatgaaa ctgatgaata tggtgacgta cataaaagga 120
ttcgagtagc agcagcagcg gctgcttcat caatagcgag agctccttca agccggaagt 180
tgcttgcgca aaagggaact ggaggacaaa ataagcaagg gcagacgaat aaagttcctg 240
gtcaggaaca agataaaatg cttggaacta ttaccgagcc gattcgaaga aacaactgat 300
gttgtgttct tgcttaagga ggcaaaaact ctgttgcggt ataaagaaaag aaaacaaaga 360
ataaattata agattcaagt tccttctgta tactttgatt catcacataa attatntata 420
tataaaaata ttaaaaag 438

<210> 269
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-H6
<400> 269

ggntcgccag aagagctcga gaagtcgagg ccgccgtac gtacnaacna tcggaattcg 60
gctcgagttc agatgctgag atttgggagg ttcttggtgcaa gtgtcaacta aaagaagtgg 120
ttcaagaaaa agagaacggc ttagattcat tagttgtgga ggatggatca aattggagca 180

tgggacagag acagttgttc tgtttaggca gagcagtttt gagaagaagc agagtattag 240
 tcctggacga agccacggca tcgatagata atgcaacaga tttgatactt cagaaaacaa 300
 tcaggcgaga atttgcagat tgcactgtca ttacagttgc tcaccgtatc cctaccgtta 360
 tggattgtac aatggttctc tccatcagcg acggacggat tgtggagtat gatgagccaa 420
 tgaaagttga tgaaggatga gaactccttg ttcgggaaag cc 462

<210> 270
 <211> 133
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-B1
 <400> 270

actgtnntta accccacact atnggncccc tatgacgtng aaaannannc cttntttanc 60
 nncggaatnc ggtncaannc caaccggnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnn 133

<210> 271
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-B3
 <400> 271

antaaagcgg ccccttaagt agttccctgc gatctccatg tctgctcatt gacttgattg 60
 ttccttcgtc tactattgga aatcatcccc aatcgcgatt gcggtgatat gcaacctttg 120
 cgcaggagat ggtatggctg acattgtggg tcggcggttt ggaacagaga agcttcctta 180
 caacaaaaac aaatcatttg ctggtagcat tggaatgggc accgccgggt ttctagcatc 240
 tgttgcgat atgtactact ttgcttcatt tggttacatc gaaggatagc ggggggaatga 300
 tcctccgttc ccccgtcanc cccaaagcat caactcctgt gggatcaatc ccaatnagca 360
 acggc 365

<210> 272

<211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-B4

 <400> 272

 anttgaaaaa cnancncaag actttgaaga ccantgggat tcttgatcatg gttaagaaat 60
 cttacaagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnncag atctgatttc atagtcaacg agaaccaacc tttacctgat ccggttttgg 180
 cttcttctac tcttcagact attaaacgtg gtcgtggtcg acctccaaaa gctaaaccag 240
 atgttggttca acctcaacct ctgactaatg gaaaactcac ctgggaacag agtgaattac 300
 ctgtctctcg accagaggag atacagatac agccgccaca gttaccgtta cagccacagc 360
 agccgggttaa gagaccgccg ggtcgtccta gaaaaagatg gaacttcgcc gacggtgaag 420
 ccaagct 427

<210> 273
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-B5

 <400> 273

 gagtagaagg gtggactgcc atgatttcga tcgggtttaa cgctgcgatt agtgtgagag 60
 tatcgaatga gctgggtgca ggaaacgcag cgttagccaa attctcagtg atagtcgtct 120
 ccataacttc aactcttata gggatagtgt gcatgattgt tgtcttagcc acaaaagaca 180
 gcttccctta tcttttcaact tcaagcgaag ctgtggcagc agaaaccacg agaatagccg 240
 tcttggtggg cttcactgtc ctcttgaaca gcctccagcc cgtcttggtca ggggttgccg 300
 gttggagcgg ggtggcaggc tctggttgca tacgtgaaca ttgcgtgtta ttacattatc 360
 ggactacctg ctggccttgt tcttggtatca aactanactc g 401

<210> 274
 <211> 224
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-B6

<400> 274

gagcagaaca gcaaaaaaaaa aggggtggtc tttgtgcttc ttctcaataa agcttttctt 60
ctgagtaaaa ctttgtattt gtttgaatg ttttggtagt ttcattgtgaa tcttgtgaaa 120
gggtgttgtt aatatttgtg aatcacgttt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnng 224

<210> 275

<211> 525

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-030-Q1-B1-C2

<400> 275

ggttgatttc ntgcagcaac ttgaatttan ccgacactat aggcccgct atgacgtcga 60
aangaacgcn ttacgttaag ctcggaattc ggctcgagga aataatcaaa acttaaaaac 120
tatcagaatg ggaacgttct taggacactt tgtgcctggt ctctcacttg ctcttcttgg 180
tctttggcat ctcttcaaca ccataagatc ttactgtctt aaaggccctg aagctttctc 240
tgcaaaattc tggttccctt tccctaaact caaacatctt gagcttatct tgattctctt 300
cttctccttc ctctccatca ctctcctcac cctagatttc cctaatttca acttctcctc 360
tctcaaacca gacaacctan aaaaatggct ccaatggtcc tccaactcaa tanccttggc 420
gtgtttcgct cctcttccgg cgaagctaaa cctttgctca agatttctc tccgggtccaa 480
tcggagttcc ttccggctcc gtcctcgctc aagaactcct ccttc 525

<210> 276

<211> 374

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-C7

<400> 276

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gcggtctggtg ttaaattgat agctgttggga gttggaactc ctgacaaggc tcgtatactt 120
gcaactcgggt taccttttcc catggaatgt cnttatgcgg atcctgaacg caaggcatat 180
gatgttcttg gtttatactt cgggttgggc cgcactttct tcaaccanc tagcaccaag 240
gtcttctcaa gatttagcga nattcgagaa gcaacaantn attacaccan anaaagccac 300
tcctgaagac agaancagtg tggtgcanca nggangtacn tttgtgttca gaggcaagaa 360
attantgtac gggc 374

<210> 277
<211> 342
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-D5
<400> 277

gatcgattct tcttcgtctc tctccgagtg anatanaccc ttgatttcac tanagaaagt 60
tttttttttg tgatcgggaa ttgaatcttc ttatcatgaa ttatcttctt ggagctttca 120
anccagcatg taatatttca atcacattta nngatgggaa aaaccgtaaa caggtacca 180
ctaagaaaga taagggacaa atagttatga atccactttt ccagagtcaa gaaactantg 240
ctgggaagat taacattgaa ccatatcaag gaaaaaaagt ggagcataat ggtgtaaaag 300
ttgagcttct tgggtcaaag gaaatgtact ttgacagagg aa 342

<210> 278
<211> 196
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-D6
<400> 278

ggataaagan ggcgaggaag attaccgagg gagcanaagg cgataataat atgggccact 60
cttggttacc ttattacagc tacaggactc attttgtatc tgtttcgttg agtgggggat 120
gatatgcctt gtattcaaga gaagagagac acggttgatt tcaacaaagc ttatattgat 180

aaaaaaanaa naaang

196

<210> 279
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-C6

<400> 279

caaaatccat agcaatggcn acttcgatag ctcnattgtc tcggagagga gtcantttcta 60
acctgatccg tcgttgcttc gctgcggaag cggcgttggc gaggaagaca gagttaccta 120
naccgcaatt cacggtgtcg ccgtcgacgg atcntgtgaa atgggactac agaggncaac 180
gacagatcat tcctttggga cagtggcttc cgaacgtagc cgttgatgct tacgtggcac 240
ccaacgttgt gctggcnggt cagggtcanag tctgggaagg ctccgtccgt ttggaaaggt 300
gccgttttgc gccggnatnt caacaaaatc actggttggga ntccgctcna aatgtncaaag 360
gaaccgtgtg ttgttcatgc cncct 385

<210> 280
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-D7

<400> 280

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cttttgaagt tccanaactc agctcttanc tccagatcag gtgcgtcgcc gcggttctcg 120
gcgaagacca ccggtgcttc ttcattcttg nacttacctc ggtacgcagg aaagaggcga 180
accgattcaa tcggaatgat tgagagttgc aactgaggat gcttcttctc tttccaccgg 240
tgatgtcgcc gatgattact atgccgttct cggactcctt ccagatgcta cgcatgagga 300
gattaannnn agcttactan aactgtatga aaatcgtgnc agcnanactt nagtggcaat 360
gacccccg 368

<210> 281
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F1

 <400> 281

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 tcgcatgtta taaatggggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn ggtgtagtan cggaagcggg ggatttagga gtagttctaa 180
 gcttttcgat tctccggcgt gttcgagatc ggatttgaag aaacgtagcg ggaagagaaa 240
 ttcacgggta aacggacttt cgttagagaa attaaggtcn attaaagcat cgtcngtcct 300
 tcccggctgg gacaaganca antanccgaa agttgatcga acgaacggga gaanccggcn 360
 ggcgcccttg gtttaanctg gttaacttca anggagaatg ttaaccgtcc ggtttgggaa 420
 aa 422

<210> 282
 <211> 61
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F10

 <400> 282

 gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 g 61

<210> 283
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F12

 <400> 283

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atgggaccct caaaccgact gttgctcctg gtactgcctt gagtgcggcg acgccaccgt 120
taaccaccgt gttacgcgct taaccatatt ctccggccag atctccggtc agatcccggc 180
tgaagtcggt gacttgccgt atcttgagac ccttgctctc cgcaaactct ctaacctcac 240
cgggtacaatc caanccanca tcgccaaact caagaacctc cgaatgctca ngctcagctg 300
gacgaatctg acangtcnaa ttcctgactt tatnagtcn ctcangaatc tcgagttctt 360
aaaac 365

<210> 284
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-F3

<400> 284

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gtggtgggaa tctcgtcgac ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnaac aataataata ataatcacga acaaccatt ttcaattctt 180
cttcnttctc ttcttcctct aaccccaatc attccgctaa ntctggagag cttattattg 240
aanaagatct cgattttctt ggtctaacgc ttattaacgt tcctaaacgt tatcatttac 300
ctaaggattc tcacaagaan ggggaaactg aattctcacg gggtatggan aanctaacaa 360
ggtacaaatt caaganggtg g 381

<210> 285
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-F4

<400> 285

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actttctact atcgnnatc ctccgtcgcg gcaccaccac cttcgaaccc taaacaccaa 120
ccttcttctc ccgccaaatc atcagctccc ggcgggcgat ctggcggtt agctccttca 180

aaatcaacac tctacgtctc caatctcgat ttctccctca ccaattccga catccacact 240
 ctattctcca ctttcggcaa ggtcgcgaga gtcactgttc tcaaagattg ccaaactccg 300
 caaatctcgt ggggtcncgt tctgtctcca acgtctctcg tgaaagaccc gctaaaagcg 360
 gggcgttcta atgggagcgc aaagnattct taaatgggcc gggnaact 408

<210> 286
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F7
 <400> 286

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 gcgagagagc gtttcagcta tattctagtg gaatattctc tggcccgtgt tcgacatcat 180
 tggatcatgc tgtgctcata gtaggatatg gttcacagaa tgggtgttgat tattggattg 240
 tgaaaaactc atgggggaaa agttggggaa atggatgggt ttatgcacat gcagcggttac 300
 actgaaaaat cagacggngt ttgcggaatc aacatgcttg cttcatatcc atcaagacac 360
 atcaaaccgc cctca 375

<210> 287
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-F9
 <400> 287

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 tttccctaatt gtagcagttg gntacgagga tccncgtgtc aacctcatca ntggcgatgg 120
 tgttgctttc ttgaanaacg ctgctgaang aacctatgat gcanttattg ttgattcatc 180
 tgatccaatc ggtccagcaa aagagctant tgagaaacct ttctttgagt cagtgaatag 240
 agctcttcgt cctgggtggga gttgtgtgca cacaagctga aagcttgtgg cttcacatgg 300

atatcattga ngacattggt tctaattgcc gtgacatcgt taaangatct gttaactac 359

<210> 288
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-G11
 <400> 288

ttttttgaca gccactgggc catctgggtcc tgttactcca gatggtgtgt ggaaatcccc 60
 ggcagacact ccttcctcag tgccattatt ctctcctcct gccaaagctg ctacgttttg 120
 tcatggtggg aacaaatcat ttggagtatc tattggatca gccttttggc ccaccaatgc 180
 agatagtgcg gctgaatcct ttgcttcagc gtttaacaat gaatctactg aaaagaaaca 240
 aactaatgga aatgtctgta ggcttttttg gtttgagcta gttgaaaatg ttaatgtgga 300
 tgaatgtttc tctgctgcct ctgtgtctgg tgcngtcgct gtagattaaa ctgtcccaat 360

<210> 289
 <211> 324
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-G7
 <400> 289

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 gctgcacgag cgcgatcgga gtccactaca gcagcagcag ctgcctcgac gattcggacg 120
 ccaacaaatc cactcgaaga gttctttgag ttcgacagaa gccaaagacga agataaacct 180
 gttgtctatg gtcgaggttg ggaaagcttc agagctgcgt ctcaagtcac gggatgatct 240
 tcagaagctg tgggaacggt cntctcaang agaanaacat gtttgaagga ctgagcggtc 300
 gatgccttaa ggctcaanaa catg 324

<210> 290
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-H1

<400> 290

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aggatttgat gctgaagaag acgacgttac cgacgattcc tctcaccttc ttcaccactc 120
actccctccg cctcttctca ctcaagtctca ctcatcactc tccgatcccg atccggagcc 180
ggaaccttct tccgccgaat gtaaattccga tctcatcact gaatcagatc tcgagcatca 240
atccgattcg aaaactccct cgtctacacc atttgagtac tgggacnaaa gacgagttcg 300
aagggactac cantttgaga tagaagacac ttgaatcctc caattgatta cagaaaaacg 360
ggactcatgc tgattcaaag aacgccn 387
  
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<210> 291
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-H10

<400> 291

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agatctctct catggcgatg tctttctcag gagctgttct cactgggatg gcttcttctt 120
tccacagcgg agccaagcan agcagcttcg gcgctgtcag agtcggccag aaaactcagt 180
tcgtcgtcgt ttctcaacgc aagaagtcgt tgatctacgc cgctaaaggt gacggcaaca 240
tcctcgatga cctcaacgag gccacaaaga aagcttcaga tttcgtgacg gataananaa 300
nngaggcatt ancaagatgg tgagaaagcg aaangactac gttgttgaaa naaacagtga 360
aancgcagat agattgggta a 381
  
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<210> 292
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-H3

<400> 292

gaggtaagac ctaactctta acgaactttt agataaaagc ttataactga gagagacata 60
gatcgacaaa agtctctata ccttcttgta acgtggtggt taattaatca tggccgatca 120
aatctccggc gagaagccgg ccggagttaa tagattcgct cttcaatgtg ctatcgtcgc 180
ctccatcgtc tccatcatct ttggttacga tactggtggt atgagtggag cgatggtggt 240
taatagaaga agatttgaag acaaacgacg ttcaaataga agttctcact ggaattctca 300
acctttgtgc cttgtcgga tnattgctcg ccgggaagaa cgtcgggcat aatcgggacg 360
gggttacaca atcgctctgg gctcaatac taatcaatgt tang 404

<210> 293
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-H4
<400> 293

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atthtcccat tttcttctca gtcgtcatct tcatcatcac tcctccttca ccttcacctt 120
cactctctct tttaccgcca atcattacca ccgattcacc tcctaagctt ccggcgaaaa 180
ctgagcttcc tgtcatcgga agctgtatag attgaagatc cagtttcaaa tttctcgaat 240
catcgttagt ttcccatoga cgttcactct gtaaatacgt gtctgtgaaa caccataacg 300
tanangagct tctaaaagtc tccggggggg gcgacctctc ggggctaata tctggaaatc 360
gccaagacgt tgtcgaatct cgaccaagaa tctgtcgc 398

<210> 294
<211> 378
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-H5
<400> 294

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ccaaaaaaaa aagtaagtgg acctaaccca tcgaatcatg actatatcca ctattctgat 120

attcaaattc gatagagatt aaattgaaac agtanatttt ttttanttca tatttttgta 180
 ttaggaaatc cgtcgatatc tcttattgaa tcttcttgn tctatatatt tcataggaaa 240
 tatattgcgt tctgcctag agaaagagag tatttttgca aagtaataac taaaanggcg 300
 ttcaatattt ttttttgatc gagaacataa caagttctac attccccttg gtnttangaa 360
 tcaattggaa taaaaata 378

<210> 295
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-027-Q1-B1-H11

<400> 295

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 gctgcaaact ctacagggga aggaatagtt cctgaccctt gtattcctaa agggtatatt 120
 cttgaaacaa atttacaaaa ggacttacct ggattcttgg ctgataaagg caaatttaca 180
 gccacccttc aagctgctgg taattttctca gagtgtcgat ctgctgcatt tgccatgttg 240
 caggaagaaa aagggaaatg tacttataag cgttgttcta ttggatcaat attcacacct 300
 aatcttcaag gaagtttttt ggctacagag aatttctcc acacatccaa gttctttgg 359

<210> 296
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H2

<400> 296

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 ctcgttgtct tggctgaaga ctgcaacgag cctgattatg tcaagcttgt gaaggctctc 120
 tgtgctgac acgatctcag gttgctaaca gttccaagt ccaagaccct tggcgaatgg 180
 gctggtctct gcaagattga ttctgagggt aatgccacng aaggttggtg gatgctcatg 240
 tcntgttgtc aaggncctcg gcaaggagan aacngcctcc antatcgta aataancata 300

ttgctnccaa taaaatgcc a t gnaacatat ctaaactccn gattcanatg ttttcaacnc 360
 caatgccgtt ttccc 375

<210> 297
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H4

<400> 297

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 tggatatgcc gattatgcac gacagtgatc cgatatgact tcgttaagga tattggttct 180
 ggtaatttcg gtgttgctcg tcttatgaga gataaactca ctaaagagct tgttgctgctc 240
 aagtacatcg aagagaggag acaagattga tgaaaatgtt caaaagggga gattaattaa 300
 acaacaaggt cactaaaggg aatccctaaa taattgtcaa gattttaaag aaggtcaatt 360
 tttggacgcc cgantcaacc tggggatatca taatgggaat aatgccttcc gggcnggtga 420
 aacttttacg 430

<210> 298
 <211> 359
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H9

<400> 298

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 tgagggatga gatggaggta acaaccgccg atgtttttcc ggagggttaac gccgccgctg 120
 tgacggaaaa tcttgatcgg aacgagcttg tgcttgctga cggagtcgtg tcggctgagg 180
 aaaggaatat tgagccagac aatcgtggag agaggaagat agagagcgag tcgcctccag 240
 aggatgatgt ttgcccgatc tgtttcggct cctttacggt tccgtgtcgt ggaaattgtg 300
 gtcattggta ntgcggnaat tgcattctgc agtactggna ctatgctgca atatctagg 359

<210> 299
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H10

<400> 299

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 tcttcctctc ccgctgtcgc caagattgaa tcttttttca gttgtggctt caccggataa 120
 taaggaattc agtaagagat aagttcatcc tgacaacatg gagaccaaga atgagaattc 180
 tgatgtttca cgggcagagg agttttaaag tcaggccaac gaagctttta aaggtcacaa 240
 atactccagt gctattgatc tatatacaa agctattgaa ctcaacagca acaacgctgt 300
 gtattgggca aatcgtgcat ttgctcacac aaaactggga ggaatatggc antgcaatac 360

<210> 300
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-A10

<400> 300

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 tcggaattcg gctcgagtgg ctgaggaaat caagaatggt cctgaacagg aggtgccaan 120
 ggtagcaaca gangaatcat cggcagaggt tacagatcgt ggattgttcn atttcttggg 180
 aaagangaan gacganacaa aaccagagga gactccgatc gcttcagagt tttcgccaca 240
 aggttcatat ttcagagccg gagccagagg ttaaaccacga aagtcttctt gaaaagcttc 300
 accgaancga cagttcttct agctcctcat tgaggaagaa ggttcagatg gtgagangag 360
 gatgaagaag aaangagaat aanaagccaa ctactggaat tttgaggnaa anggaggaag 420
 anangnaaaa gggtttatgg naaagt 446

<210> 301
 <211> 402
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A4

<400> 301

gagaagaaaa caaaatcatg tctcgatttg ctatcttagt aaccttggn a cttgccattg 60

ccactgtttc ggtgggttata gctcaagtc ctcggagaa acaattcaga gtcgtcaacg 120

aaggagaatt cgggtgaatac atcactgagt acgacgcaag ttacagattc atcgaatcat 180

caaaccagag cttcttcaca tcaccattcc agctcttggt ttacaacact acccctagcg 240

cctacatctt agctctccga gtcggactca agcgtgacga gtctaccatg cgttggtatg 300

gggacgcgaa tcgcaacaan cccgtcggag aaaacgctac actctcactc nggcgtaacg 360

ggaacctcgt cctcgctgaa gctggacgga cgagtcaa at gg 402

<210> 302

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 302

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ctgcgaaaac aatcctatca tcagtagttt tgggtggttct cgtcgccgna tcagcagcgg 120

ntaatatcgg attcgatgag tcaaaccgga tccgaatggg ctccgatggg ctccggggagg 180

tagaagaatc tgtttcccag atcttaggtc aatctcgtca cgttctctct ttcgctngct 240

tcactcaccg atatggtaaa aagtatcann acgtggagga gatgaagctt cgattctcga 300

ttttcaangg agaantcttg atttggttca gattcannca anaataaaaag gggtatntta 360

caancttcgg tgtaaacca atttgctgaa tttgacattg gcaaga 406

<210> 303

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-028-Q1-B1-A7

<400> 303

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gatttttggtt tagctcgggtg gttagaacac aagattgatg aaacagagca tgattcgagt 120
tacgactctg tttcttcctt ccgtaaccac cagttccgag tcgcggattc gactcggatc 180
ggtgggacta tcgggtactt accaccggag agtttccgga aaaaaaccgt tgccaccgct 240
aaaacagatg ttttcagctt tgggtgtgtg gttttagagg ttgtctccgg tagacgagcc 300
gttgatcttt cgttctcgga agataaaatc attttacttg attgggttcg gagattatcc 360
gataaccgga aattactcga cgccg 385

<210> 304

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A8

<400> 304

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aagagctacg agtggcgaat ttctcagctt caaaacattg cnangatgat tgatgagaag 120
gagaaatgca tcaccgaagn tttgtntcaa gatctttcta agcctgagct tgaagctttt 180
ctanctgaga tttcgaatac annatcatcc tgtatgcttg caatcaaaga gttaaagaac 240
tggatggctc cagaaacggg caaaacttct gtgacaacat ttcnctcgtc tgcacaanta 300
gtctcagaac cgcttggagt tgggttgggt aattcagcct ggaaattccc tttccgaatg 360
tcngtcnagn caatcattgg ggctantgca ctgg 394

<210> 305

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-028-Q1-B1-A9

<400> 305

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tccgtgagct ctctgtgctt tgactgcaac catgtcgacn attatgcaga agatcaaaga 120
aattgaagat gagatggcta anacacagaa naataaagct acttctcatc atctggggttt 180
gttaaaggcc aagcttgcta ancttcggag ggaccttctt gcaccgccta ccaanngtgg 240
cggtggtggt gctgganaan gttttgatgt gactaaaagt gggngattct agagttggac 300
tggtcggatt tccttcgggtt ggnnaatcta cgctantaaa caaagctgac tgggacattt 360
tccgng 366

<210> 306
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-B11

<400> 306

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aagcaaggtc acagaggaaa gtantgtaaa cnaagtcatt gaatcgggtga ngcaacagat 120
caaagatgct aagttacctg acattgaggt tgtgctgtgt gtttgggatg gtttaatgga 180
tgctgttcan tggctctggaa aaaaccagca gcaaaatgca aattctgttc tgcgccaggt 240
gaaaacatgg gctccacttc tgaacacgtt ctgtaccagc ggaaagctaa atctggaact 300
gatgtacaaa gtccaaatgc actgctatga tgatgcaaag cttatgaana gttttccca 359

<210> 307
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-028-Q1-B1-B12

<400> 307

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catcgggttc gaagaagatt gtcccaagtg gatgcagggc tatgattgga caagttgctg 120
gaggtggaag aactganaag ccgatgctca aggcaggaaa cgcgtaccac aagtaccgtg 180
tgaagaggaa ctcatggcct aagggttcgtg gtgtggctat gaatccagtg gagcatcctc 240

atggaggagg taaccatcag cacattggtc acgccagtac tgtaagcgt gatgcacctc 300
 ctggacagaa ggttggtcnt attgctgcan ggangactgg tcgtctcana ggtcaagctg 360
 ctgcttcagc tgccanggca gactagagtt anaagagata aactttgttt ctcttgtttc 420
 c 421

<210> 308
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-B3
 <400> 308

gtgatagtct tgccantgag tgttttcacg aagatttgca tcttgaaaga gagagtcgcg 60
 agactatcac tctcgagggt gagagctctg acaccatcga caatgttaan gcaaagattc 120
 aggacaagga angcattcct ccggatcagc aaagattaat attcgccggt aaacagctag 180
 aanatggccg taccttggcc gattacanca ttcagaaaga atcaaccctt catttggttc 240
 tccgtttaag aggtggtatg caaatctttg tcaagactct gactggcaan gaccattact 300
 ttgganggtt gagagctncn ganactattg acaacgtcaa agnaaagatt caaggacaag 360
 ggaanggaat ccctccggat t 381

<210> 309
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-B4
 <400> 309

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 tcgaaattct tgagtagaga tgggagcaag ggctcgtcga ccgcttcctt ctcttatatg 180
 cctcgaacag aangcgagat cttgcaaaat gctaattctca anaactttag tctcagtga 240
 ctganatctg caactaggaa tttccggcct gatagtgtgg ntgggtgaacg tggatttggt 300

gcgttttcaa aagntggatc gatgancct cncncgctc ccttctaaaa ccgggggaac 360
 cgggaattgt cantgctgtg aaaaagactt aa 392

<210> 310
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-B8
 <400> 310

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 ctgtctcagc aatggaattt ttccagaaag caaaagctat tcgaatgcgt aacagtcaca 120
 acaagtatct aacagcagac gacgatgaag aaaccgtaac tcaaaaccgt aacggatcta 180
 ccaaaaacgc tcgatggncg gtcgaaccgg ttctgtattc tttccatggt attcgtcnta 240
 aaagctgtta cggtaagtan ttaaccgctt ctaacgagcg gtctgtctcg gggctacggg 300
 gaanaaagtg nntcagttga aactgagtcg gggtgattcg tccgttgagt gggaaccgcn 360
 tanaaaaagg gtctaagatt aagc 384

<210> 311
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-C5
 <400> 311

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 tgcgtttctt agatcgagcg agcgaagcga gagatcatgg aagggtggagc tgctctctac 120
 aatcctcgaa ctgtcgaaga agttttcaag gatttcaaag gtcgtctgtac tgccattgtc 180
 aaagctctca ccaccgatgt tcaanagttt taccaacaat gtgacctga gaaggagaat 240
 ctttgcttgt atgggttacc gaatgaagaa tgggaagtga atttaccagc tgaagangtg 300
 cctcttgagt tancanagcc agctcttggt attaactttg ctaagggatg ggctctctga 360
 aaaggaatgg ctttcgcnt 379

<210> 312
 <211> 294
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E3

 <400> 312

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 tcagggggct catcntggaa tgactgctg tccacttggt taaaaagcaa cccaacatgt 120
 caaaattccg tcnaggtcac ctgagatgct cacagcanaa cagagtcctg atctatgtgt 180
 ttggtgatca caaaaanaga ggggttccca gacactanaa catgcaatgc ggttccgaag 240
 gtttgtgcga tttctgtaag gnagtcaacg ctgctcaatn naaatcccaa aaaa 294

<210> 313
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E5

 <400> 313

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 atactcttac atatgaagac aatgaaggag acaagatgct tgtaggagat gttccatggc 120
 agtaagaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnaaagga gaagtattag attcctagtc acatatttat natatcttaa tcacagtttg 240
 attaataaca aacttagttt ggttaagcta ttaagggatt gtgggacttt ttgatcacta 300
 aaattgatta tttcttaaat tgtcagaatg gttggtggtc ttcggtgaag aggctgcntg 360
 tgattaaaac ttctgagatt tctcagcatt 390

<210> 314
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E6

<400> 314
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 ggttgacagtt cttgaatact gatgggatca gaaccatagg atgtgttctg ggccagagta 120
 ttgctctgga ttactatggc cggcagggtg atggtatggt agcagaattt actgagataa 180
 accgtcagtt ggagataaca ggaacgttta caatgaaaag gaaaaagctg ttccagttgg 240
 ttggaaaggc taatgtgatt ctggctgatg tgattctgaa gcttggctctt tttgagaagt 300
 cagatatagc ttggaaggat ccaaatatgg gtcagtatgg gaanttccga aaagatgaat 360
 ttgaactgac acagagtttt gcaaaccctg attataagct ca 402

<210> 315
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E7

<400> 315
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 ccgacgtggt tgcgtctcct tacaccttcc tccgtcgcta tcaccatcca tgcaagcca 120
 ggttccaaag ccgcctccat caccgatgtg agcgacgaag cggtaggcgt tcaaatcgac 180
 gcgccggcta gagatggtga agctaacgca gctcttctcg agtacatgag ctctgtattg 240
 ggggtgaaaa gaagacaagt ctctctcggg tcgggatcga agtctcgaga taaagttgtg 300
 attgttgagg atatgacca acagagtgtt tttcaagctt tgtccaagc atcaaacct 360
 aactaaagtt tccaaacctg taactaacta tatgngaaa ctaa 404

<210> 316
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-E8

<400> 316
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tattagnngc cgtcgtatat gggatgctgg ccgagtcctt tactgcatta ctaagggagt 120
acaatacccg tctgtaccta gacaaaacaa gccaaaggca gtcgacttgt actattcaag 180
ctgggtgtatc cgtgcagttg aatcaaaaag aggcgatggg gagatgacat catgtgaggt 240
actactatct caccatgaag atatgggaat accgtgggag attgcaaagc ttgggggtgag 300
acanggtatg tgggggtgcag tcaagaagat tganccaggc ctaagtncat atcaaaaggc 360
ttaagcaacc ggaacaaggt tatccccgan ttgcataatg 400

<210> 317
<211> 308
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E2

<400> 317
aataaactta acttaggtgc tgcgatttat gcgtagaggt ttgcttctca tgctctgagg 60
aatctaagag caaatgcagc agccccgaaat tctagattcc cacacatgtt aattttgttg 120
cctcagaaac cagccgatcc ttagtttcct atggatgaaa cctagttttg tatagttggt 180
gactctatct ctctgtaatg tgatcgctag tgatttcttg caaataactt ttgtgtaaac 240
cagtaaagat atttttatgt gaaataataa tcaataggaa aatttcttaa aacaaaaaaa 300
aaaaaang 308

<210> 318
<211> 334
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E9

<400> 318
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tacggaactt tcttacatgg atgggtgtgg agatagtggg gttcttgaga ttgaagggtg 120
tgattattat tctcatatta actatgcact cacatttgag gaaccaactc tttctctatg 180
gcaagagaat aatgatgtag ttatgtattg attgatttcg tgaagtcata atataacaaa 240

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-F9

 <400> 323

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 aaagatggag aagaatggtc acacggaaaag tgaacttcaa actcaaattg ttggaaatga 120
 gagactacct caagtaacgt ggcaacggaa gttgaacagc aaagtgaaga acccttctga 180
 gttcaagatg agtataagag atgttcttca tctgtttcct ctaggctata gattgtggcg 240
 ttacactaaa gaagaggcaa aaaaaggaag attttcgatg tacgatattct tcaaaaagcg 300
 ccatgtaaga ngcgaccatg gtgtcccat aggtggaatt ggtggaggaa gcacnngaag 360
 gagtttaca aggtgaattc 380

<210> 324
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-G1

 <400> 324

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 ggctgagctg atccatggcc gatgggcgat ggacgcggtt cttgggatct tcgtcggcca 120
 ggccctggagc ggtgtggcat ggtttgaagc tggagcccag ccagacgcga tcgtccctt 180
 ctggttcggg tcgtttcttg gaaccaatt gcttctcatg ggttgggtgg agagcaaacy 240
 atgggtcgat ttcttcaacc cggatttca atcggttgag tgggcaacgc catggtcgaa 300
 gaccgccgag aatttcgcga actataccgg cgatnaagga taaccgggtg ggaaaatcct 360
 cnattcggtg ggtcccgccg gggaaaaanc gcgacggtgt tatgancccg ga 412

<210> 325
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

acacnacggc cagagctatg aantnacatg cacgcgtacg taagctcgga attcggctcg 60
 agggatcccg agaccggcga tgtgggggtt gtgggccgtc gctagttagt agattcagag 120
 aagaacttga gttccatggt cttcaaggta aagtgtcaat tagcccatgt tctcacatag 180
 gtggtcacia atacgctggg aatgttatca tctaccgatc aaacatcaac agggaagtca 240
 caggacactg gtatgggtat gtgaccccag aagatgtacc tattcttttg gagcagcaca 300
 tcaacaaagg cgagattgta gaccggctat ggaggggtga aatgggtcca tcagaaagaa 360
 gttcaganna aactcaagaa gggcaattta acctaattgn aaaatccaat ccgttaaagt 420
 naatnggaaa atgatcaaga atcatcggtc anaacgccga tgttcccgt 469

<210> 328
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-H1
 <400> 328

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 aggtgagatc gtacggaaaa atggaggctt ggggatgatt atagcgaatg gtgtgtttga 120
 cggatgaagg ttagtagctg attgccacgt gttaccggcg acatctgttg gtgcttctgg 180
 aggagatgag attcgtaggt atatctctga atcatccaaa tctcgttcat cgaaacatcc 240
 aacggctacg attgttttca aaggtagccg acttgggatt cgacctgcac cggttggtgc 300
 atctttctcc tgctcgtggt cctaatacaa nagacgccgg gagantccta aancgggatg 360
 taatcganc tgggtttgaa taatcnaac tggcttgggc cttgaaccgg attgggtcca 420
 at 422

<210> 329
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-B11
 <400> 329

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 cgacaagctt agacaagaaa aaaccatctc cggtttcaag aaaatcacca aagcaaaaaga 120
 agaagacgac ttgcagcaat aaacccatca aagttcgta catctcaaac cccatgagag 180
 ttcaaacttg tgctttctaag ttcagagagc tcgttcaaga actcacaggc caagacgccg 240
 tcgatcttca accggagccc atctattccc ctctctccga cgaccacaac ctttctccac 300
 cggcggagaa tcttgcgcca cgtgttcttc atcaggagcc gttcgggtgag agagacagtg 360
 attgttatga gccgttgaat gcgggaagac atgtttttac ctgatnagat gt 412

<210> 330
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-B2
 <400> 330

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 tgccagagtt ctctagntcg gtgaagctca ngtagctgaa acttggttac caatatttgg 120
 ttaaccattt cttgagtttt cttttgatcc cgatcatggc nattgtcgcc gttgagcttc 180
 ttccggtggg tcttgaagag atccttaatg tttggaattc actccagttt gacctagttc 240
 angttctatg ttcttctctc nttgtcatct tcactcncac tgtttacntc atgtccaagc 300
 cagccaccat ctaactccgt tgactattct tgttacaaag ccaactgtca cgtgtcgtgt 360
 ccccttcgca actttcatgg gaaaatctcg tttgattctc aagggaaang cctaaaagcg 420
 tttagntcc 429

<210> 331
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-B3
 <400> 331

nccctcgggg aattccaatt ccacattttc aagaaataag gagggcaaaaa tgttcatata 60

tgaattggaa ttatttggtt tcttattagg cctatcctga agccaaagga aatgagatcg 120
gaattcctcg gggaattcca attccacatt ttcaagaaat aaggaggcaa aaatgttcat 180
atatgaattg gaattatttg ttttcttatt angcctatcc tgaagccaaa ggaaatgaga 240
tcggaattcc tcggggaatt ccaattccac attttcanga aataaggagg gcnaaaatgt 300
tcaaatatga attggaatta nttgtttccc antaaggcta nccctgaaan ccanaaggaa 360
atganaatcg ggaatttccc cggggtacc gagctccgaa ttccctaana gtggagtcct 420
aantaaaatt cgттаатcan gtcaaaanct ggtttcccgг ggттаaaa 468

<210> 332
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-B7
<400> 332

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
naacaacaac aaaacttcac acacgtggtg agagagcaca caaaggctca agctttttca 180
aacccttggt gaaattcgag ctcttttggt gtttctcttt ttttttggtg gtatcaattt 240
ggtgtttctc ttggtcttgt tgaggtactg aatcagcttc ttcttcttct ccgatcttaa 300
tcgattccaa gtttcttca caagcttggg acgaattgac atccaantnc tccaattcaa 360
ttcccgtaaa gttgnttttt tttcttctg gtgccttgca aataaaaggg attcctccga 420
aggtgataat caaacnaaaa gccttatct 449

<210> 333
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-B10
<400> 333

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catcaatagc ggcaatagat gaaacannga agngaaagaa acacagatct agcaaagaag 120
atnaatacaa tgcattgttt gatggttga ctctccttc catgtgtatt gctgatgcat 180
cttcaaatga caatggtgat tattggnat ttgggaacaa gacgcaagag gtgcttaagc 240
ccaaagcagc agtcaaagtt gattgatgac acgatgatga naccgggaga ttcacacctg 300
ggctaagagc tcaanttttg tctnaaagtt tnggattaat cnttaacct atactgtccc 360
cgttcaatg ccccgantcc ttttggttcn aaacctttaa acgtaacttg gtacaactgg 420
tttgacngg 429

<210> 334
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-B8
<400> 334

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actactacca aggcaccaat caccatgacc atgatgatca ttacagtgtt cttaacagtg 120
attgcagcgg ttctcgcaat ccttgtcaag aattctcaaa ccggttcttg catcttcgca 180
ccgcctgaaa tctccggttc gcgtgatgtt ttcccgtcgg cgaaagtggg taacttaacc 240
ggagcctctg gtctgagag tatagcttcc gatccagcag gtgaagggtc gtacgttggt 300
gtctcagatg gtcgtatctt gaaatggcgc ggtgaaccgc ttggatggc agatttcgct 360
cacacatccg tccaacaagc angagtgtgc tcgcccattt gcancaagag ttggagcaag 420
tnttgtggaa ggcaattagg g 441

<210> 335
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-C1
<400> 335

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ctacacgcct gggatctacg ctactttaca ggtgtaatat tcttctcctt aatctttaca 120
ccattcaggt ttaccaatta ctagecgtcc aagtgtctcg tttctttcaa ccaggctggt 180
acattactga tcatgtatgc gccagacgca gatctgagga aaaagacatt tgaggcactg 240
aagaggggttc tttctgatat cccagctcct cataggtttg acgttttaag agcccttgtc 300
acaaattccc ggtctccttc aatgacaagc aatccttctg ggtctagtta aagacagcat 360
gagcaaaaagc aatttgcaag atacagattg tgccgctgtt gatacgcagtg ttaatgaact 420
aatgggattt gncctaaagg cctccanaaa gggaagggtcc tccaatcccn ttccgg 476

<210> 336
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-C10
<400> 336

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ccaagggagt atgtattagc gtggaaattg tgggagggga aggataagtt ttactgtttc 120
atcaaggaat gtgatcacia tatggtgccg caacagagga agtatgtacg tgtaagttat 180
ttcagatctg gttggcgaat taggaaagtt cctggtagga acgcttgatga gatacacatg 240
gttcaccagg aggatgctgg attaaatggt gaagatggca aagcttgctt tctcaagagg 300
catatggagt tacgtttgta agatggaaaa tgcactcgca aagtacattg caaccaagtc 360
atcganccca aaggcccaca ttaaccgctg ttagcctaaa tgaaaaagat ccac 415

<210> 337
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-C11
<400> 337

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nnnnnnnnnn nnntcgctat cgtcctccct tttatcttcg tcaggttcgc gtttctcgtc 180
 ctggaatctg cctccggttg cgattcacca ctcgattgca tgggactcag acttttccgt 240
 gggggcgaca catctctgaa aattggggaa gagttgacac gggctctaag tggaagagac 300
 gacagatnat caggacgtta atgggaagag gaacnaangg atnattggag tcattcgacg 360
 aaccttggtta aaggagatga cntaaaacgc cgtgacaata agggcggttg cntccgtg 418

<210> 338
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-C12
 <400> 338

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 gcttaaaggc ctaggtcttg aatacacagt cattagcgtg ggcaagaagg gaaattctta 180
 tttcctccgt cgcccgtaca tccccgtcga caaataccta gaagccggaa ctttacctac 240
 ggctaaagaa gctcaagctg tggctggatg atgtcttctc tctgtttat aagtgaagaa 300
 atcgacaaag tcgagctcct tgtacacaaa gtttgcctc cttgggtcaa atcagaancc 360
 cgtgattcac aacgtactg gctttatcac ctaaaaggga gana 404

<210> 339
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-C3
 <400> 339

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 ggcagcagct gaagcaagag cagtgtggca aagaacagtt aatcgttgct ttgtccaaga 180
 agacgctaaa agagctccca agttaactta ttgccaatca tcttcactct caactgcttc 240

ttcaactaag caagtgaag tttctggttc ttctcctcga gtttctgttg aaccacggga 300
 ctcaatcatc cttgngcag gtttcaaggc ctcttcctc cgaaaaccg aaatttcctt 360
 gattctggtt nccccacaaa caccaanact ngtyggagtc aatcctcaac atcaagtttt 420
 aanggggaat aaanaancaa cccanttgga gggatgaggg tta 463

<210> 340
 <211> 535
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D1
 <400> 340

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 cttccggaat cnantnggga aaatgggagc ctttttggtc aaaacctgaa tccggccaac 180
 aagggacatc ccgacaaggc ttggtgatta agattctccg acgctatcct cgatgccttg 240
 ccttgaacaa gaacctgag aagcaaaagt ttgcntgtga agacttgtag caaagactaa 300
 catggtcatg ggttttggag aaatcaccac caaggctaac gttgattacg agcagattgt 360
 tcgtaaaaca tgccgtgaga ntggattcct ctctgctgac gttgggcca atgctgacaa 420
 ntgcaaaggt cctgggttaa caattgagca acaaagtcct gacantgcac aaaggggttc 480
 aangggcaat ctcaacaaag aaaccagaa ggaaggtttg gancctggtg aacaa 535

<210> 341
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D12
 <400> 341

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 tgaatctgac aaattcttgt cttacttcaa gccttgcat ataccactag aggggtggtg 180

tgcgctctgga tttaaaaaac cggaggagga ggagtttgaa acccggtgtg atacctgcaa 240
 aggaaaacgt gctgtccact tgaagcaggt tccttttgca cgctcatctc tgaatcatga 300
 tgatgtgttt atccttgga caccaaggaa aagatttatc agtttaattg tgcaaattca 360
 aatatccaag gagagaacta aagcgttggt antcattcaa tatttgaaag acaanttcac 420
 gaaggaa 427

<210> 342
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D4
 <400> 342

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 ttgttcctta ctcttattac ttctaaatc cgatcgaaac aactgttggg ttagtttcta 120
 atttccaaga atggcgcaag atcacgacga gacggagaat aaaacctttg ccgacgttgt 180
 cgggtggcgat gatgtcggcg aaattgtcaa cggaggaaca aagaatggct atcgtaaacc 240
 ggactctgtg gagaaggaag atgatgagga ttgaagagt ctctattcct tgatttgtct 300
 cacgatcggg tcgattctgt ttccagattc gaaaaccggt gatgcgtctt cgtttcttga 360
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 aagacccaaa atccttcccn g 441

<210> 343
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D5
 <400> 343

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 tatgaggggt gaagatccac ggacaacctt gatgataana aacatcccaa ataagtatac 120
 ccggaatatg ctcttagctg ccatcgacga gaaaaacagt ggaacttatg attttcttta 180

tttgccctatt gatttcaaga ataaatgtaa tgtgggggtat gcatttatca atatgggtgct 240
 tcctaaattc accattgcat tgtacgaggc ctttaatgga aagaaatggg ataagttcaa 300
 cagcgagaaa gttgcttcat tggcttatgc acgaatccaa ngtaaaagct gcgcctaattg 360
 ctcantttca annaccaagt ttgatgaatt aagatang 398

<210> 344
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-E6
 <400> 344

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 gaagatgcgg atagagtgcg cctcaaattc gacagaatca agtactgggtt atctgttggg 180
 gctcaaccaa cagacacagt ggaaagcatg cttttcaggg ccggtttgat accaccaaag 240
 cctatgggta ntggtcgggtt cgaaaaaatg gggcagaaat ctacgagcca acatgggttta 300
 anccaattac aggtaaatcc ttgaactaag aattgttgaa tccnttgaag caaagaaaag 360
 aacccttttg gtgttcgggtg ttgaaaaggg agtttaattg 399

<210> 345
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-E7
 <400> 345

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 cgaggagatg agcatgagtt tatgaactta agagaatggg atcgaagagc tcgattaatc 120
 cgcgaaaacc cgagttcaag aagattctca gttcatata ttggaagctt ccgagaagat 180
 caccacaagt cttcttttag aacaacaaac ttcaacaaca tctctagtac tgctcttct 240
 cctggctaca ctctcaanga agagattgac ccatcaacat attccttcac caatgcactc 300

aaaatgggtt cggtcctcct cctaaccgna aatttaaccc ataaatttag atttcccctt 360
 aaaaacaatg ggtccctcct caagtccttg ggggtgtnc tc 402

<210> 348
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-E5
 <400> 348

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 ggacgtcaag ttgtgagttt aatcggagat ttattccggc gattacacgg ctctaagttg 120
 gtgaagagct tgaatctctg tagtatcaac gagagtaaag attcgatttc aatggagatc 180
 aataaatcat tcaactgacat ggaagggtgtt cagctttcca gcaaagtcgg ttgcgagaat 240
 ccaagaatct tggatactct gagctttata tccggaacta atggttcaac caanaactga 300
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 gaaacaaccg ttggctgtta aattgcttgg cgggaaa 397

<210> 349
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 349

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 gaaaggagga agacgtatcg gattcgactt agactacgac gagaaagaca gcagttacaa 120
 cagaatcaag agccttgtaa cagaggagct gaaacaatac ttcagacccg agttcctaaa 180
 caggctagac gagatgattg tgttcagaca gctaacaaag ctggaagtga aagaaattgc 240
 tgacatactg ttgaaggaag tgttcgagag gttgaagaag aaagagattg agcttcaggt 300
 gaccgaaaga ttcaaagaga gagtagtaga cgaaggttat aacccgagct atggagcaag 360
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agagagatta aaggaag

437

<210> 350
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-G10

<400> 350

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tggctactaa gtgtggtaga tataaagaag gttttgattt cagtgtgag agagtaagaa 120
agagtattga cgagagcttg gagaggcttc agcttgatta tgttgacata cttcattgcc 180
atgacattga gttcgggtct cttgatcaga ttgtgagtga aacaattcct gctcttcaga 240
aactgaaaca agaggggaag acccggttca ttggtatcac tggctctccg ttagatattt 300
tcacttatgt tcttgatcga gtgcctccag ggactgtcga tgtgatattg tcatactgtc 360
attacggcgt taatgattcg acgttgctgg atttactanc ttacttgaag aacaaaagtg 420
tnggttggtta taagtt 436

<210> 351
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-G4

<400> 351

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gggttatgga ctatggccat cgatgggtat aatctcagaa atagtccaaa cattcatatt 120
ggcaagattt ctgttactac tacgttaaaa gtgttttcgg tggccagctt gttctaaggc 180
ttccatctgg ggttgtgtaa gttataaagg aaaaaagata agacacatta tgacgaaatt 240
tgttacacga agatagatct cagcttgggtg taatcngata gcctctgggt acccnaaatt 300
tacnccnnaa ggcaaattcc aaatncaata accgngtggg aaaattttgg gngngtnnac 360
nacaaaaaca atnccctggg ntaataatga caagantttt ttc 403

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<210> 352
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-H12

<400> 352

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nnnnnnnnnn nnnnnnnact cattttctcc gcagagaaaa tacaatccat ggcttctact 120
tttaggctct ctattagctt cctcactctc atcctcttct ctctgtgggt agtggaggca 180
cacacgtcta gaaagttgat atcaatcaag gaaaaagaag gtcaagatat tagtcatttg 240
ctcaaagatg gtgaatttga tgacccttcg ttgtacatgt atttcacact caatgatctc 300
aaactaggga accaaaattg ctgattactt cacaaaaacg attctcaaaa gcctcctcca 360
atnctcaca agacaacaaa gccgatttca atcctttcac taaagtcaaa gcntgacttc 420
cctc 424

<210> 353
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-H3

<400> 353

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ttgcctcaag cacttgggag aaggttgcac cagaaaagac gttgatcaca cctgtgcagt 180
gtaaatcact gtggaggcaa ttttaagaacg agacagaata taccgttaca caggccattt 240
ctgcacagga anctaaccga cggaataaca actgggctgc aactccaatg ggcaatccct 300
ggccctggnt ggtccttgga ttaaattnaa ttaagaaccc ccttaagaaa atccccaaag 360
ggccctaaat tccaattgtc cngganaccc tttttancca aaanccttgt nggggtccaa 420
ttaaatnttc aaggaaa 437

<210> 354
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-H5

 <400> 354

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 ataaagggtcc atttacaggc caaggccata aaggcctata tgaaattcta acaacatcat 120
 ggcatgctca attatctctt aacctagcta tgtaggctc tttaaccatt attgtagctc 180
 accatatgta ttccatgccc ccttatccat atctagctac tgactatgct acacaactgt 240
 cattgttcac acatcacatg tggattgggtg gatttctcat aatttgggtgc tgctgccatg 300
 gaagcaattt tatgggnagn agactatnga ttcaaactaa anccgataat aacnaattta 360
 tta 363

<210> 355
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-A12

 <400> 355

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 gatgatgagt atgaccagct gccaccattt aagcctcttc gaaaaaccca acttgcaaag 120
 ctctcaaatg aacagagaaa ggcatatttc gaggagtatg attaccgtgt aaagctcctg 180
 cagaagaagc aatggagaga ggaattaaag aggatgaaag aaatgaagaa aaacgggaag 240
 aagctgggtg aaagtgaagt tggttatccg ggaagaagaa gatgattcaa gaaaacgggg 300
 ctccagctgc agtgccagtt ccattacccc gatatgggtt tgccaccttc atttgataat 360
 gataactcaa cttancgata ccgatatcct ggaaccact tcacaactcc taaccaagcc 420
 aattgttggg ata 433

<210> 356

<211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-024-Q1-B1-A9

 <400> 356

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 atggatcatc taagaatgaa tgggtgcatac tggggactca ccactctcga cttacttgac 120
 aagctcggct gtgttttctga agaggaagtc atttcatggc tcatgacttg ccagcatgaa 180
 tctggtggct ttgccggtaa cactggacac gatccacata tcctatatac actcagtgtc 240
 gtacaaatct tggccctatt tgacaaaatc aacattcttg acattgggaa agtgtcaagt 300
 tatgttgcta agttgcagaa tgaagatgga tccttctcag gagatatgtg gggagaaata 360
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<210> 357
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-B4

 <400> 357

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 cgaagaacca cgctttttgct tttttcccaa gacttaatct aaaaagcgag atttccttct 120
 ttcgattctt ttttctcaat ctgggttttca gtcttcggat tcaatggcgt ctggatcttc 180
 gggtcggggtc aactcaggat ccaaagggtt cgatttttggc tccgatgata tcctttgctc 240
 atatgatgac tacaccaaac aaagaactcc ctctaaatgg gcctcaatcc cgattctggc 300
 gattgcctgg cttncaaatc caacaaaggg aattccaata aaacaaggat gggaaagggc 360
 ctcgggtttc cctaaaaagc tcctaaaatc caacaagagg gaatccttga gccaaagacat 420
 taatgacant ggc 433

<210> 358
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-B6

<400> 358

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tcctttcgct gaacagattg tnaagaacag tgtaacaat gctcttcaag cngatccac   180
tttagccgct ggncttatcc gtatgttggt ccacgactgt ttcacgatg gatgtgatgc   240
gtcaattctg ctagattcaa cgagagacaa cactgcggaa aaggattcgc ctgcgaatct   300
gaatctacgt ggntacgaga tnatcgatga tgcaaangag aaaatcgaaa atanatgtcc   360
aagagttgta acatgcgcaa atttanttgc ca                                   392
  
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<210> 359
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-C12

<400> 359

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ccgtagcaat ttcattcaga actcaaaagt acgtaaatac ctctctcgtt catcgcttat   180
ctcctatagg atatcgtaat tctctctac cgtgggcagt gacgtcaatt gacgaaatcc   240
ctcctaagtc tgttcgccgg aaaatagacc ggaattggag aggtgggttc agtctcggcg   300
tagatttagg tttatctcga accgggaatc gctattagta aaaggctaac accgttaaaa   360
cctctcacgg tttgaaatcc ganaaggga aaaactccga agaaccaagg cttttaanaa   420
aattgctg                                           428
  
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<210> 360
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-C2

<400> 360

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atcgatggct agcctgagaa gagctctgct cgtagcaggg aagacgaaga tcaacctaga 120
aaactgccat ttcatacccg gaatcaacta caacggtctc agcgtgaagc aactacaaga 180
gctccgtgga atcctccgtg aaaacacaaa cacgaagctc ctcgtcgcca agaactttt 240
agtctacaaa gcctttggaa nggaaccaa tgggaatccc ctgaaaccaa tggtatnaan 300
gggaataaac gccttgggta antccttnaa tcctgaaaga tanacctgct ggcttgaaan 360
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<210> 361

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-B12

<400> 361

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catctcgacc gtcggttttc tgttctattc caggtctcgg cggcgattcc caccgaaaac 120
ctccaagtga cggtttcctc aagctgcctg cgtcgtctat tccggcggac agccgaaaat 180
tagtagcgaa ttctacttcc tttcatcaa atctcagccg ttaacgtctc tgctcaagct 240
tccctcaccg ctgattttcn cgccctttca gaaactatac tgaaagaggg gaagaaataa 300
cggaaaagag aaaacaagan aaacaatcgt gttggcacia gagttcgata tgcagatgcg 360
acagaçanca aacttcttca acaaaagggn tgtgtcgnnt ggattactgg tccaattgg 420
tcaaggaaaa gc 432

<210> 362

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-C5

<400> 362

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ctgtcccaat atataatcgg gttttatgtc cagcatctcc gacttccgga gttgtgatgg 120

ctggccctct gtttggcatc atcnggcttc tanaaggagc gttggccagc ttcgtcgttt 180

tttctagtcg tccggtgtat gaggttcgta tcacgtttaa tttcgtctgt ttggttatta 240

taaatccagt agatccggtt angtctctac ttttgttcaa nttatttcna ggattaatag 300

ttctgctccg ggtgggcctc caacaagggn tatgtgntga taagccttgn tggatcnaga 360

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aaagcccaag taacaatt 438

<210> 363

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-023-Q1-B1-C7

<400> 363

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actagcttca aagcttccgc tcaagatcct ttttacttaa atcattattg tccaaatacg 120

acaacttact caagattcag cacttactcc accaatctca gaaccctttt gtcctctttt 180

gcttcccgca acgcctctta ctccaccgga ttccagaacg tcacggtggg acaaaccccc 240

gacctggtca ccggactttt cctctgccgc ggagacctct cgccggaagt ttgcagtaac 300

tgcgttgctt tctccgttga cgaagcgtta actaggtgtc caagtcagag agaagctgtg 360

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aattacaaac g 431

<210> 364

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-023-Q1-B1-C9

<400> 364

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tgagggtgcaa tataactact gtgtgtatga ctcgacaga gctacagggt atggagttgg 180
agcctttttg ttctcagtgg ctaagtcaaa tccttatcat gctcgtttagc cgttgcttct 240
gttgtggaaa gcctctcaag cctggcggtt cagcgctct tgccctcatt ctcttcattg 300
ttagctggat gttcttcttg atancggnga tatgtctatt agcctggatc gtagaaatgc 360
ataccacaca aagtacagga caatgttcan ggncaatcct cctgattgtc aaactctacg 420
taa 423

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<210> 365
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 365

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ccggagctgg aattcaagcc gaccttaaag tctgcgagc tcgtggtgtg tattgcgctt 120
ccgtcataac cgcagtcact gctcagaaca ctcgaggagt tcaatctgtt catcttcttc 180
ctccggaatt tatctctgaa cagctcaaat ccgtcctctc tgacttcgaa ttcgacgtcg 240
tgaagactgg gatgcttcct tctactgaga tcgttgaggt tcttcttcaa aatctatcag 300
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tgggctgggt 370

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<210> 366
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-D12

<400> 366

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tctgaatcaa gtaaagtagc ttatgtcaca cttttgtatg gagatgagtt cttattagga 120
 gttagggtat tgggtaaadc gattcgtgac actggatcca ctaaggatat ggtcgctttg 180
 gtttctgatg gtgtctcaga ctactctaag aagttactca aggctgatgg atggaaagta 240
 gagaagatta gtttactggc aaatccaaat caagttcatc cgactangtt ctggggggtgt 300
 ttatacaaag cttaaagatc tttaacatga ctgattataa gaaagttgtg taccttgagg 360
 ctgatacaat tgggtggtaaa gacaattgan g 391

<210> 367
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-D5

<400> 367
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 tccggtcaag aaggagaaga cgagtcctgt ttcggcggcg gtgacggcgg cgaagggaaa 180
 gcattataga ggagtgcagc aaaggccgtg ggggaaattt gcggcggaga ttagagaccc 240
 ggcgaagaac ggagctaggg tttgggttagg aacgtttgag acggcggagg acgcggcggt 300
 ggcttacgac agagctgctt tcaggatgcg tggttcccg cgtttgttga attttccgtt 360
 gagagttaat tcaggagaac ccgacccggt tcgaatcaag tccaagagat cttctttttc 420
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 tggataaggg attga 495

<210> 368
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-D7

<400> 368
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tctttctcga ttggctattg gtgatctagc tactcagtat ttgtccgatc gtgatatttt 180
ctgtgctggg cgtgttgctg aggaagatct taaccgtgtg gctgctgcag ctggaggaac 240
agttcagaca agtggttaaca gcataataga tgaggttctt ggaacttggt agatttttga 300
ggaaaaacaa gttggtgggg agagatttaa tatattcagt ggttgccctt caggacgaac 360
agcaactatt gttctccgtg gtggagctga tcagttcatc gaagaanctg accggagtta 420
catg 424

<210> 369
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-D8
<400> 369

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aantccttgg aagcngccgt gtgacaatga ggaagactgt tgchnaancca aagggnchnat 180
caggcanncc atggtacgga tctgaccgtg tcangtactt gggtcgattc tctgngaat 240
caccgagcta tcttaccgga gaagttcccc gganaactat gggatggtaa aaccggaggg 300
acttcaanct aaccncaaga cattccgcaa tggaaccgtn gaactaaaaa ttaccaaca 360
agcaaggttg ggncaatgct ccgngcccc taaggttgcy tccttcctgg acctttgggc 420
n 421

<210> 370
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-E1
<400> 370

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atgatttgta attgtcaaca taatgatggg gtcattttgc nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnn 155

<210> 373
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-021-Q1-B1-C10
 <400> 373

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 gcaacataag ctcgaaatgc atattgttga ctgcagagtt tgagccaaag atctcggatt 120
 tccgtctagc taggctgatg aaccaattg ataccattt aagcacattc gtcaatggag 180
 aatttgggga tttcggttat gttgctcccg agtattcaag aaccatgggt gcaactccaa 240
 aaggagatgt ctacagcttc ggtgttgtgc ttctagaagc tagtaacggg ccaaaaagca 300
 acgagtgtaa caaaagtatc tgaaagaaaa agctgaggaa gaaaacttca agggtaacct 360
 cgtggaatgg attacaaagc tatcaagtga atcaaaactg caggaagcaa tcgacaggtc 420
 ttacttggga acggtgt 437

<210> 374
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 374

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 gggtgactaa tgttcggttc atcggaaaac aaaaacacaa caaactcaaa accaaaatct 180
 ccataaacat atatagagct attaattatc atattaaact ctcacacact cttattataa 240
 aatgttttga ctctgatat tagaccaact gcaaaaacta aactaatcac tccaagattt 300
 aacantcaaa tcattattan gnttactata atctaanata ttactagtta aantaaacct 360

ttttgtaatg aggatattgg tgatgatctg gtcaaccggt gaaccattcc ntacg 415

<210> 375
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-C9
 <400> 375

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 ttggttcacn ctacagagcat tttggccatt tgggccacac aagttatttt gatgggaacc 120
 gttganggct ananagtcgc aggaaatggg ccattgggag aggccgagga cttgctttac 180
 cccggtggca ncttcnacc attgggtttg gctaccgacc cagangcatt cgctgagttt 240
 aaggtnanng agctcanaaa cggaagattg gcnatgttct ctatgtttgg attcttcggt 300
 cantccatcg tcaactggtta gggaccgata taaaaccttg ctgaccattt ggccgatcca 360
 gttaacaaca acgcatgggc cttccgcaa caactttgtt cccggaataat tagccaantt 420
 ttaacctggt antttgcctc antccttgc cttcctgagt gttgacaagg agaaaagaag 480
 aacttgttta anatg 495

<210> 376
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-021-Q1-B1-B6
 <400> 376

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 tccaaaactc gagtcgggtc tctacttctg ccgtcaaatg accaatgctg cattgataac 120
 cattgctagg aaccgtccca acatgactcg cttccgtttg tgcatcattg agccaaaagc 180
 cccagactat ctgactctag agccactgga tattggattt ggagccatag tagagcactg 240
 caaggatctc cgtcgcctct ctctatctgg cctcttgacc gacaagggtt ttgaatacat 300
 tgggacatat gccagaaga tggaaatgct ctcaatggca tttgcaggag acagtgactt 360
 aagcat 366

<210> 377
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-D2

 <400> 377

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attattcacc gcccgatgat ctccaccgga ggaatcgctg tttccccccg tagagttttc 180
aaagtccgag ccacagatac gggagagata ggatcagctc tattggcggc ggaggaagca 240
attgaagacg tggaagagac ggagcggcta aagagatcgc tcgtggattc gttgtacgga 300
acagatcgag gtttaagcgc atcgagcgaa accaagagct gaaatcggga gattctaata 360
acaacaagct cgaagtctaa agaaccctac tccanctccg acgggaagct ctttttcctt 420
tctcaacggg                                     430
  
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<210> 378
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-D3

 <400> 378

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cattgcctgc gtcttgcttc ttcaagagct tctgcaacaa caaagataat tagagatgca 120
gttgaagcat acaaccgtga gaggagctca cagaaggatga aacggcatca tactttggct 180
aagtctgaag ttttgggacc tattgtagtt gtgtaggaag aagacataaa taaaacattt 240
gctgtgggtcc gtcgattgta aataaagatt ttagttgtag aaaatcttaa caagcaacac 300
taagctataa aaacgtcgat atgatnaaag aaaaanaaac nggnnnngaaa nnaaaaaaag 360
g                                     361
  
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<210> 379
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-D9
 <400> 379

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 cctgtcggag tttgtctcag gcatggctgt tgcacngtaa gtttcatctc tctctatcga 120
 tctctgaact ttcacagctt cttatttcag aaatcgaaac cgtagttgaa attgaattga 180
 ttacggttat ttaaattgaa attggttgca ctccggttta cgggaaccaa tcaatatgat 240
 gaatgtggag atnaattact gaaaatataa ttgtggtggt tttgttaaaa agaaacacta 300
 attaagggga ctaaaaaata aaatttttaa attttgnntt tcccaactca agtttttttg 360
 gnttaacttg taaggtagt tcctcanttg gtttganact gacttgc 407

<210> 380
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 ttcaaggcag aggagtttgc taagaanggt tctgggagga gtgataagat agaagatgtg 120
 gaattaagcg aggaagaatt gaatatgtat ttggatttgc acccattctc taatgcctct 180
 ccgtacactg ttgtggagac aatgtcactt gcaaaggccc ttattctctt ccgtgagggt 240
 ggcataangc acttactggt tanaccaaaa acctccaata agacctccag tggttaagtat 300
 atgacacggc atgaacttca tgccggaaca tatactaagg cctgcaatcc cctccggttt 360
 ctcggaanca agttgaaaaa ggnttcgga ntccggctgg cctttcgtcc tna 413

<210> 381
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<400> 383

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ttcaaagttc agctcaatca aagcctccgt ttcattttcc cgcanaacgc taactcgaat 180
tcganactct tcatctcccg ccgatcactc anncgccanc gccgtggaag cgatcacgag 240
tcgatccaaa acctncttga aatctcgtct ccgtggagga gaaactctct atggncctct 300
tttactctcg ttctcgccga cattagnca gatcgtgct cagcccggtt acgattacgt 360
cntcgttgat aaggaacatg gtcnc 385

<210> 384

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-021-Q1-B1-F2

<400> 384

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tgccatgagct gttcgatgag caaaaggatg atgtctctaa ggagcaaata ttgcgtgtga 120
ttttcttggga tcttgagcgc tccaaccctg cattggaaaa actgaagcgt caattagcag 180
aagcggatgc agcgggtggag gcacgaaaga aacctccaga ggaaacaggt ccaaagatga 240
ttggagaagg gcttgtgatc gatgaatgga aggagcgtag agagagatat cttgcacagc 300
aacaaggcga aggagctgac tctgtctgag agactaaaag agttttctca ggacaaaaac 360
aagtgcgctt gtgaagatna agaaaaaagg g 391

<210> 385

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-F5

<400> 385

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gatgcagggt gttggacaca atgatgagaa agtacttgta cttgcagcaa ccaatacacc 120

ctatgctctt gatcaggcta tccggcgacg ttttgacaag cgtatctata ttcctctccc 180
 agaggccaag gctcggcagc acatgttcaa agtcacttg ggagatacac ctcataattt 240
 aactgaacct gattttgaat atttaggcca aaagacagaa gggttttctg gttcagatgt 300
 gtctgtttgt gtaaaagatg ttctgtttga acctgttcgt aaaacacaag atgcaatgtt 360
 ctttttcaag tctcctgatg gtacatggat gccatgtg 398

<210> 386
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-F9

<400> 386

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 atactacaat cagtgaagaa gctgcatggg ttctgtaaaa tggagaaatc agatgatctt 180
 gtggctagaa tttatccaca attcaataaa gtcttccatc gttcgggtgc ttcactaatc 240
 tcaagtccga agtcaggggc gtccaaaagg gcttctcctc tggctaagcc aattccttca 300
 attttttcct ggatttgggg gataatgggt tctgcacga atcctgaacc caaagttttg 360
 aaggacaatt ccttcgggt catgtcttaa gccgttgaag ttctcaagat gccgcngtg 420
 g 421

<210> 387
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-021-Q1-B1-G1

<400> 387

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 tttcctaaag gattcgtgtt tggaaccgcc acgtcagctt atcaagtcga aggcgagact 180

acgattctcg caccaatccc gacatgcttt catatcttcg tgaagaaant cagtacactg 300
 atttcgtcat gtctgggacc aagcantttg acgaatcatc tgtntgctga aanaagaggg 360
 aggatcaaag aanatgatata atctgcagc 389

<210> 390
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: ARABL1-020-Q1-B1-H1
 <400> 390

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 ccgagaatgg ttttatcggg gaagcaaaca ctctctccga aaatcggact tttccgacga 120
 aacccttcat cctcactagg aagatctcct gtttctctct cgtttccatc gacggagctt 180
 ccaaaacgca ccgttttagc cgtgtcaaag ccgcttcac tctcttcttc tctgagagct 240
 aagtctccgg tagtgagatg tgaagcttat gaagctgacc cgattcagag cccatccccga 300
 ttgggtgatg aangctggng gcggggggaa aacgaaaatc agaaggcggg taaagaaaat 360
 tgaagattng ggatttacnt tggcaacttg 390

<210> 391
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 391

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 agttccggta cagagacttc caattaaagt ggcttcacct tctctgtatc ggtgtaacaa 180
 ttctgtctca atcagacgtt caatttcagg ttttgccatg gacaggaaga taaacttttag 240
 ggctccgctg caattctcga tccgagctca acagtcggat ttgaaggaaa gcttagctgt 300
 gtctttcttc tcagtagagg ataaaggaaa tgttcttaga atcaaggaat gggaagtaga 360

gatgtatcag gaggaattag ctattagtca aggtattagg ataaggagaa aaccaccaag 420
taagggtcct ttgggatact ctggaccatt tgagttgaga ttgcataaca atgatgcctg 480
aatc 484

<210> 392
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-G8
<400> 392

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gtagccaacg ggtctgaagc ggttgaactg gtctcaattg cagatgttct tagaagagcc 180
aaagtagatg tcacgggtttc atcagttgaa cgatctttgc ggattacggc attccaaggc 240
accaaaatta tcaactgacaa attgattggg gaagctgctg agtcatcata tgatctaata 300
attcttcccg gaggccatac tgggtcagaa cgtctgcaga agtccaaaat tctcaagaaa 360
ctgctcaggg aacaacatga atctgggcca atatatggga gctaccaact cttcatcnac 420
cgttttgcat aaacatgggn ttacncaagg ngaagaaaaa gaacngttta c 471

<210> 393
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-020-Q1-B1-H12
<400> 393

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agaccggcg gtggcgcgcg caaaagcagg cttttcgtcc ctgcgttttag ctctcttcc 120
tcttttgatc ttaccaatgg cgggtccgaa gaaacccctt ttcccgtaa gagagaaaat 180
tctggtgaac gtgtgaggtt ttcccgagaa gagatacttc agcacagaga gtctgttcaa 240
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<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-H9

 <400> 396

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 cttatgatgt attgttgcca gaggttgaaa accatctccc caaacatttt cagacttaca 300
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<210> 397
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 397

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 tttgagaaaa gcctggngt ttaat 445

<210> 398
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

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 acaacaccat ggactcatca aagaaaacca tcaatttcaa tgccaacttc accaaatggt 240
 ctcatgatct ccgacccgac aacatctttg tcttccgaaa accacaagaa cagtgggctg 300
 actggcaa at ccgtcaagtt tctctctcag ccgatgacca aagtctcatc tctctacata 360
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<210> 403
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-021-Q1-B1-B4
 <400> 403

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 tggacaacat gctgtccttg taacaaaaca aggagaaagt ttttcttggg gagaggaatc 180
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 cctcaatacc acaaatattg agcttgtagc atgtggtgaa taccatagtt gtgcaagtta 300
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 atgaatcagt cactggggtc cccaaa 386

<210> 404
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-021-Q1-B1-B5
 <400> 404

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 tgtcggttac tttcccggaa tcttctggct cctttagcag aattgtccgg tgtcgcgctc 180
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ttcttgctgg cagtttttac ttttcttggt tcatcttcat atggtanagt tctcaagttg 360
aagagcgatg atgatcgacc tgtttacaac catacgcttg ccgtcacgcn tgtggagtat 420
gcctccngcg gtccaagaat ccggatttga caaaaaccct caacttggn c ttgcnaaana 480
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<210> 407
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-D6
<400> 407

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agcctcgagg gaaagggtat tggggctttc tgtttcttgc aaatcccgag ccctgagctg 180
cagcaagctt tagcagtcca acggaggcag gacacagagt gtttcacgaa ggcaaaagag 240
ttggcttata tttgtcaggt gataaagaat cctttgagcg gtatgccgtt tcgcaaactc 300
attgttgga ggccacagac ttgaacgang accaagaagc agttacttga aacaagtgtt 360
tccttgccaa naaacaantt tcaaaggatt ctccgggaan atggattttt taaagc 416

<210> 408
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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ttctcaaagc tcgcggaagg cactgacata acctcggcgg cgctggcgt ttctctccag 180
aaagctcgca gctgggacga aggtgtttcc tccaaattct ccaccacgcc attgtcagat 240
atcttcaagg ggaagaaagt cgtcatcttt ggtcttctg gggcttacac gggagtttgt 300

tcacancagc atgtgcctaa ctacaagagc cacaattgat aatttttaaag ccaaanggaa 360
 ttgantcctg tcancctggt gtcccngtta aaggatccct ttgcnatcaa atggntgggg 420
 caaaaaaaaaan cttggtgcc aagatgcaa attgag 456

<210> 409
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-E12
 <400> 409

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 cttcttcggt cagagaacaa agatgatgct ttattggctt tccaaatctc tttcgatctt 180
 gtacagaatg agcaccaggc attcctcatg agtggttagag atcgcttcc agcgcccaag 240
 acccgctcctg tagaagcaat tcaagctggt gaaacctcta ctgctcacia tgagaacact 300
 gcanggggat gttcagatgg cggatganac tccatctcag acaattgtgc atgaaacaga 360
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<210> 410
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-C6
 <400> 410

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 ccagcaacta gccctgctcc acagcttggc ggggaagggc agttgtacgg tgctcagcag 180
 tatcagtatc ctaactatatt tccaaacagt ggaccgtatg cttcatctgt ggctacacct 240
 acccagccgg gattctctct gcaaaacaaa cctgctggtg tgaagacact acctgcggat 300
 agcaataatg ttgcttcngc tgctggtatc acaaaaggaa ntatggntna nctccattga 360

acccancnna caagccaacc cttaaaaccc aagttaattg aagggaangg ttccccaaaa 420
ggagtttggt gccgg 435

<210> 411
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 411

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cgatcccaag acatttcact acttcaagat cgaaggagct gatagtttca tgacaaaata 120
taacggtgga tcatcgacga cggagagtgc gtgtggggac aagtgtacga gagattgcaa 180
atgttttaggg tttttctaca atagaaagag ttcgaggtgt tggttgggct acgagctcaa 240
gacattgact agaaccggag attcttcctt ggttgcttat gtcaaagctc ctaatgcaaa 300
caaaaagtca actccttgag gnctgaaagt catatatata tatgaaaatt aatgtgttgt 360
gtgtttaana agggtccttt tgggtaccct ttttaaaatt aaatggggtn cggatcccaa 420
aa 422

<210> 412
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-020-Q1-B1-E5

<400> 412

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ttttccgatt ccaaactttt ttgcttattt agtcttcttc aagaactcga tttctttcgc 120
gtttatgtcg acgangatga anagacaggg ctgcanctca gattccggtg atctacggng 180
gcagcccagt cgtctannaa nangatcccg gcgttaaaaa ncgttccggc gactccggcg 240
gcgaataact ggaatacggg tatanctctc ctctcgccgt tagctctttc tcccgaatca 300
tcaccggtng accaannanc ggntgacaaa aatcagtcga cggcgggtgg cggatgaaaa 360

aacgcngtn ttcaagggat gggaacatcc gctgcgcctt ttaattacga gnccatcgaa 420

<210> 413

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-020-Q1-B1-E9

<400> 413

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agcaattcaa tgagtaattc aagatctgtt gttgttgctt gtgcttgtgt ttctatggat 120

ggatctcaaa ctctgagtca taacaaaaat ggatctattc ctgagggtta atccattaac 180

ggtcacacgg gacaaaagca aggacctttg tctacggctg gaaactcgac aaatataaag 240

tggcatgaat gttctgttga gaaagttgat agacagagat tgcttgatca gaaaggatgt 300

gtgatttggg tcaccggtct taagtggctt aggggaagagt actttggctt gtgctttgaa 360

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<210> 414

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-020-Q1-B1-F1

<400> 414

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agatctcccg agtcagccct gcaaccgcct ccgtcgaccc gtcattgtc ccactctcgt 120

tctttgattt acagtggctt aaactcaacc ctaccgagca agtcttcttt taaaaactca 180

ccgaatcatc atcatctcgc gacgttttct actcctccat cctccccaag ctggaagcga 240

tctctttcac tcactctcac tcactttcgc ctattcacgg gtcaccttaa gtgggattca 300

caagattcaa agccgcattt agttggcttc tcaaggagac acactctctc tcaaaatggc 360

tggagactga tgcggatttc tcaacgtatc cctggcaaaa gggcttcgtc caaaagctag 420

aagttacgcc ctctaataac ccgaagctaa cn 452

<210> 415
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F10

<400> 415

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 gaanacngnn gcataanagg attaccgtcg ctcaaacag ctcgccctc cttcaaaatt 120
 gtcgccagtg gcgtcaagaa gatcaagacc gacaagccct tcggaattaa cggcagcatg 180
 gacttgaggg acggcgctga cgccctccggc agaaagggca anggatacgg tgtttacaag 240
 tacgtccaca agtatggagc taacgtcnat ggatacagtc ctatttanaa cgagaacgag 300
 tggtcancga gtggtgacgt gtacaagga ngagtcaccg gantggcann ttgggcggtg 360
 actctcnng gaattcctgg ccggaagtga tctccctttg ta 402

<210> 416
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F11

<400> 416

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 agttcccggt gtggttgga actgcatang ctttgcatg aataggacat tctttcctta 180
 ttcacaagct gcacatatgt tggccaatct aggtgttgac ttgttcagaa ttgacagcgt 240
 tattacctct ttcggcttgc cantgggccc tttccanctt ggtgatttgg ctggacacgg 300
 gattggatta ncagttgggc cgatatatgc caangtctat ggtgaccgca tgttcaagat 360
 ctccaatgac agagcttctt ctttaagancg ggcgaaaatg g 401

<210> 417
 <211> 432
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-F6
 <400> 417

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cgtgttcttg acggccatgc tggcgacaga aaccggcgta gtcggaataa gtacttttgtt  120
taaagtagca acttcaaagg gactcaatct ttacgctttc ctcggctatt cttatcttct  180
tgcttctctc cttcttcttc cttctctgtt cttcaccgac aggtcaagat cacttcctcc  240
actaagtttg tcaatacttt ctaaaatagg acttcttgga ttgctaggat caatgtatgt  300
gatnacagga tacataggca tcgaatacag cagcccaacc ttancctctg gcaattanca  360
anacaacccc ngccctaact taacctnca attacctcaa ggttgaaaan cnaaattttt  420
ttttccaatt aa                                     432

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<210> 418
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 418

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ccaagaagaa actcgacgaa gatgaaccat cacaaagctt cgagagcgtc gctctcatca  120
tcggcgttac tggaatcgtc ggaaacagct tggcggagat tctccctcnt tccgacacac  180
ccggtggtcn aanggaaagt ctacggcgtc gctcgtcgtc ctcgtcctac ctggaacgcc  240
gatcatccga tcgattacat ccagtgcgat gtctccgacg cngaagacac aagatcaaag  300
ctttccctt naaccgatgt cacacatgtc ttctacgtca cctggaccaa tcgtgaatcg  360
gaaannnaaa aactgtgang caaatgggtc aatncncn taaagttccc caangngnat  420
ttcccataag gcgcaaaatn cccaanatn tttgttccca aaanagggga a          471

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<210> 419
 <211> 448
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-020-Q1-B1-G3
 <400> 419

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gtttcggaca gtacaccgcg tactaccgtg agatgaggaa gatgtgtatg gtgaacctct   120
tcagcccgaa ccgtgtcgca agtttcagac cggttagaga agaagagtgt caacggatga   180
tggacaagat ctataaagcc gctgatcaat caggcacctg tgatctaagt gagcttctct   240
tgtctttcac taactgtgtc gtatgtagac aagcttttgg gaaacggtac aatgagtacg   300
ggacanagat gaagagattc atanatatcc tgtacgaaaa gcaagcactt ttggggcaac   360
cctgggttttt ccccgaaactt ttcccctaatt tcnggttccc ttgacaacct cantggggccc  420
aantgcacgt ttcaaagaaa gctttcaa                                     448
  
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<210> 420
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-B2
 <400> 420

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tcgtctctca aactcaaata tctgaaaaaa cttttctggn ntannnnnaat aagttacacg   120
agactttcaa tttctctgta tattttcctt ttgattccca gaaaatgtca ctagattcca   180
ctttctagct tgcgttttct cgggaatctg aagtttcctt ttgtgttgaa tcgctgggaa   240
aaatctgatg gaagcagctt caagggtttt tgtgtanaag tattcggatt ccgtcgacta   300
cnacggcgac gggcggnggt tcacgttcac tcgaacgccg gtttaaacta cgtttgtgtt   360
gttcggagtt tcgtgttttc cccgnacgcg ggaaggctct ttngaacggg cgtaaattgg   420
gngggg                                     425
  
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<210> 421
 <211> 411
 <212> DNA

<213>	Arabidopsis thaliana	
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tggccagtag	tgccgataca cagctgagat caagancgga gtcaacatca agcaaattgg	120
caaccgtgcc	cttcaattcg cgacgagtga cccggctggg ccggtatact tgtgtgctgc	180
caggaagtc	atggagtccg agatcgaacc atactccttg aatcaagact tgtggtctcc	240
agtcgagatg	ggcggactcc ctgaccaggc agccagcaag attgccaacg ccctggccgg	300
tgccgagaaa	cctctggttg tgacgggata cgcggttagg aaccacgacg caccgtctgc	360
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<210>	422	
<211>	397	
<212>	DNA	
<213>	Arabidopsis thaliana	
<223>	unsure at all n locations	
<223>	Clone ID: ARABL1-02-Q1-B1-C5	
<400>	422	
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ttcgtcttta	acagtgcatt caatggcaaa taagaagcca tcaccttctg ctgcaacaag	120
aacaataacc	tcaaagaaga gcacagcgac tccacaggtg aaactgctga caagagtcga	180
gcagctcaag	cttctgacca aagccgagaa agcaggactt ttgtcttttag cagagaaatc	240
aggtttctct	ctatcgacca tcgagcgtct tggattgctg accaaagcag aggagttcgg	300
cgttttgtct	gccgccacaa acccggaaac gcctgggaac gttattcact ttgagcctcg	360
gtttactccc	tcttgggacc ggtttttgca tanttgg	397
<210>	423	
<211>	414	
<212>	DNA	
<213>	Arabidopsis thaliana	
<223>	unsure at all n locations	
<223>	Clone ID: ARABL1-02-Q1-B1-C7	

<400> 423

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ctgttgagcc gcgtccatat gggaccttta atacgattcg agaggtttac gatgaagctg 120

gaataactgg cttctggaaa ggtgtaattc caacattgat catggtaagt aatccgtcaa 180

tgcaatttat gttgtacgag acaatgctaa ccaagctgaa gaaaaagcgt gccttgaagg 240

gtagcaacaa cgttaccgct ttggagacat ttcttctcgg agctgtggcg aaactcggag 300

ctacagtcac aacttaccct cctccttggt tgtaaatacnc cnaactcaag ccaacaagg 360

tcacaacaag gggacaaaag gacaacaatt acaaaggaac attgggaccc aatt 414

<210> 424

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-02-Q1-B1-B10

<400> 424

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agaatttcat actctgatta atgtcttact caaacgccta cgcaccgtcg gcaccggagc 120

taccagaatc gttcgttcag cagcagcacg atgggtgaaag tagatacact tacgcgtatc 180

catcatatca accaactcag caattcagct cttactccgg gatgttttcc ccggaaacgc 240

atccggagat tgtgaggagc tttgagtcgg cggatagaaa ccggagcggg tttctcgaag 300

aatcggagct ccggcaagcg ttgtcggttat ctgggtacga tgggaattagt aacagaacga 360

ttaagttgct gttgtttaat tacaaagatt cctgtanatt ctctgcttcg ggct 414

<210> 425

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-02-Q1-B1-C8

<400> 425

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caacatcaaa gaagacacat acttcgtctc agaactcaaa cccacggagc aaaaatcact 120
tcaagaactc aaagaaaagc tctcagcttc atcctccaaa gcttcttcaa tgtggggagt 180
ctcactcctc ggtggagacg acaaagctga cgtaatcctc ctcaagttcc tcagagcaag 240
agatttcaaa gtagcagact ctttgagaat gcttgagaag tgtttggagt ggagagaaga 300
gttcaaagca gagaaattga cagaagaaga tctgggtttt aaagatttgg aaggtaaagt 360
tgcttacatg agaggctacg acaaaagaag gacaccagt tggtacaatg cttaang 417

<210> 426
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-D1
<400> 426

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gaaaaactta gatttttgggt tttgctttcg gagttattcg aatttgaaat atctgaatct 180
gttgattcat ttattctccg catgaagctg tgttggtgaa gtttttcgga gatttaggggt 240
ttctgagttg ttctctgttt ggttggtgaa taaagcgaag atgaacgtga tgcgtcgtct 300
caaagagcat tgcttcgggt cggacctcca tttctcgga ttctggtggg gactaagccg 360
ttgaagaaga actaanctgg gatnaagaag aacgacaact tgtggtgttg attcaaa 417

<210> 427
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 427

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ttccgatggc ttcaagctca gagaaaacac ctcttattcc ttcagatgag aaaaacgata 120
ccaaggaaga gagtaagagt actactaaac cagaatcagg ctcaggagct ccaccttcac 180

cttcaccgac tgatcctggg cttgatttca atgcttttga tttctccggc atggctggga 240
 tcctcaatga tccaagtatc aaggaattgg ctgagcaaag agctaaagat ncttcaatta 300
 accaagttaa ctgaacaact tcanagatnt gtgccaaccg gatntcaaga angangtcna 360
 nctaactttg atncacaaca atatatgcaa acaatgcaac aaggtaaggg 410

<210> 428
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-D3
 <400> 428

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 acccgagtat tttcttggag gaatagacca agatcagtca aatgatcata tggaacttcc 120
 atctcctctt caatgttctg tgaaagtga gttcccacaa tctgatccat tcttggtgaa 180
 catgcttgac taccagatca ttccttttagg ctttcaatac ataatgatcg gttgggatcc 240
 tgaatcattg gcaaattggtt acgtangcgt tgcttttctt ccggtaaaga agaacggagg 300
 agacgaattc gttgtgcttc ttcgctaacg taatcanttg ttggtgttga aaaattccga 360
 aatgaagtgg atgaaagtca agaaaanctc caatgcctca atgcaagg 408

<210> 429
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-D5
 <400> 429

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 tcatccgata agaaggatct cgttgtagag gatgtcagca acaaagagct taaaagccgt 180
 atagacaagt ctttcaatga gggtaatgaa gatgctttac ctggagttat tgaagcactt 240
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gagagtctac ctttcaaaga tgatgtcaag ggatgaagat tttgaatccg atttcgaaga 360
accgcattcn actgacnaag aacttgangg atttgtanaa ctctcccgag t 411

<210> 430
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-D7

<400> 430

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tgaattggaa ttatttgttt tcttattagg cctatcctga agccaaagga aatgagatcg 180
gaattcctcg gggaattcca attccacatt ttcaagaaat aaggaggcaa aaatgttcat 240
atatgaattg gaattatttg ttttcttatt aggccatcc tgaagccaaa ggaaatgaga 300
tcggaattcc tcggggaatt ccaattccac attttcaaga aataaggagg caaaaatgtt 360
catatatgaa ttggaattat ttgttttctt attaggccta tcctgaagcc aaaggaaatg 420
ag 422

<210> 431
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-02-Q1-B1-D9

<400> 431

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gtggaacaat tcaattagcg atttgcagat cagnngagaa nagcacagag aagacgatga 120
tgctaggagg cgttcatgat ctccgaggaa atcagaacag tggagagatc gagagtctcg 180
ctcgatttgc cattcaagaa cataacagac aacagaacaa aattcntgag ttcaaagaaa 240
gaatgtcaaa gcaanggaag caaggaattt gcagggaacc aatgttataa cttaaaccct 300
aagaaacaaa aagaangnga ttaagaccaa naaattttga aancaaaatg tnggtnaaac 360

<210> 434
 <211> 178
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n'locations
 <223> Clone ID: ARABL1-02-Q1-B1-E7

<400> 434

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 cttacaaagt gttaaccggg aatgaaggag taattagaag cgtgtgtgac aaggttgatt 120
 gatgtatatt tataattatc aaatgttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnn 178

<210> 435
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-02-Q1-B1-E8

<400> 435

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 actcacacc acttctccga ttctcttcac taaagtaaca ccaacaccaa taatccacaa 120
 ccacagatca acatgcacta taccacaaa gcctcgtcta cgtctctcc gccgctccgc 180
 cgtcgctgga accgccgtat ctgatcaaac agaaggaggt ggagatgttc ttttaaacc 240
 tgaagaagag aaacgtgttg aggtggcgga ttatgattgg acagaggaat ggtatccatt 300
 gtacttaact aaaaacgtcc ctgaagatgc gcctcttggc ctcaccgtct acgattgtca 360
 aattggtttg tataaagacg gtgaangaac acttcgttgg tacgaagatt cggt 414

<210> 436
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F3

<400> 436

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 cagccctggc ccggggctaa tgccagcgag ttttaaagt aaatctgcgc cacttgaggg 180
 aaatgatggt tcatttgagg agtttttaga tccagacttt ggtggatcag ccattggacg 240
 tgttagccct gttgactctg gtttgtggtg gatcatattg ctgagagctt atggaaagct 300
 cacgggtgac tacacgttgc aagagaaaat tgatgttcaa acagggatna aagttgatac 360
 tcaagctttg tccaaccgac ggttttgaca tgttcccgac tctacttgt cactgacgga 420
 tn 422

<210> 437
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F6
 <400> 437

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 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnngaccacg aagctaaacc 120
 ctcaatcttc cccactcatt ttcactggta cacttctctt cttgcctcac tcacctcttc 180
 tctccctcc attatccaca catacgacac cgttttccat ggcttctccg ctagactcac 240
 ttcacaagac gctagtcaac tcttagacca tctcatgtc atctctgtta tcccgaaca 300
 agtccgtcac ttgcacacca ctcgttcccc tgagtttctt ggtcttaggt ccaccgacaa 360
 agcgggtcta ctgaagagt ctgatttcgg gtcggatcta agttatcgg 409

<210> 438
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-G5
 <400> 438

aaccccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

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nnnnnnnnnn nnnnnnnnnn nnnnnntacc acaaactgct cagcgggtcta 410

<210> 456
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-B6

<400> 456

atagaagaat anaacgtcgc atgcncgcgt acgtaagctc ggaattcggc tcgagttcgg 60
gtccaccagc gaagagaggc cgtcccttcg gtagtacaag nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnt caccgtcagc ttacttgggt ccttctcttc 180
tagttcaciaa ttccttcgctc gagcagaaca atagaagaat agttcttgcg ttgcagagt 240
gtttgaagag tgaggtgaca tgggcattga acacacttac gttgctttcc ttcaaggaaa 300
aagaagatat tcgaagagat gtcatgcctc ttgctaagat agctgggctt gcttgatgcc 360
cttctcttaa ttatagatga ttggcgtgac atagctctcc caaaggacct gacaagaagg 420
aaactagagt tagaacttta ngtacaaatg cttcagttac ngggatttgg 470

<210> 457
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-C5

<400> 457

agcttaatat catctttcaa gactcaaatt gcagtggatt tatcggcacc atgggagctt 60
tgcagctgat ggaaaacaaa gtggttgacg ccattgggtcc acaatcttca gggattgctc 120
acatgatctc ctatgtanct aatgagcttc atgtacctct cttgtcattt ggagcaacgg 180

atccgactct ctctctctctg caatttcctt atttcctccg caccacgcag aatgattact 240
tccaaatgca tgcgatngca gattttctat catattccgg atgggagaca ngtcattgcg 300
atattcgttg atgatgantg tggcangaac gggatatctg tccttggcna tgtattaanc 360
caanaaacgc tccgangatct cttacaaggc tgcaatttac 400

<210> 458
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-C8
<400> 458

aaaaaaaaca aaccttcctt aaccagaacc aaatttcaga tttttaaaca acataagctc 60
taatggcgtc accaaagtca cccacaagac caaccaaca aaaccacaa cccaatttcc 120
acgattttct tcctaccatg gccggaaacc taggcggtga aggtctgac ggagagctat 180
gcaacggctt cgagcttttg atggacagag agaaagggtg catcacgttc gagagtctcc 240
gacgtaacgc tgcggcggtt ctgggttttag gagatttgac tgatgaagat gtccggtgta 300
tgattaaaga aggggtgattt tgactgcnac ggtgcgttga atcagatgga gttngtgtgt 360
tgatgttttag gcttagccct gatttgatgg aagcgtcacg gtgtcccgtc acgggaggtc 420

<210> 459
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-C9
<400> 459

caagactata acanccatgc acgcgtacgt aagctcggaa ttcggctcga gcacatctca 60
tttctccgct gtttcgctcg caaattttcc catttttgat tccgaagata atagatatta 120
tcaacagagg ataaggataa aaccagaac antcattata atttagtggt gaagttgacc 180
aaatttataa actgatccaa ttttaaaatc taagagatat ggagaacatg gacgatttct 240
caccggagaa tgtttttagca ccaccaccac cacctcctcc aatgaagaag tcaacggatc 300

agatttatcc ggtgatgcaa aacgaaataa ggaaagtggg gacaaagggc aaggctgctg 420
 gtgtgcttcg tttagtgttt catgatgctg gaacctttga actggacgat nattctggtg 480
 gcatcaacgg attct 495

<210> 462
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-D8
 <400> 462

agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnangcnt taagaaatga 60
 tcatgttaca taaaaacgac atacatgaaa gcacaaataa naaggcttct ctantttctaa 120
 cagtagttaa atanaaaaat tcnttttttcg aaatgtaaag aaatataaaa ctccctgata 180
 tccacatgat tttcccaaac ccccccaaca aagtacagan aaagaacata gaaaaacnct 240
 ancggatana tgtgtttana taatcaatcc ttcnnttct ttttnttgtt cngcntcgct 300
 ctgcnctgct tccggannat gtatagattc ggcaccgctg ttgtttaacc atttcacana 360
 agntccatt cagaaatctc ctttccggaa ggagaagggtg gcgtcaagac gtaacagan 419

<210> 463
 <211> 372
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-019-Q1-B1-E2
 <400> 463

ccaatttctc ttgtctcaaa tttcagattc tcttcctctg aaaaaaatca aaaaccaagt 60
 cttctaattc catctcctct ctgtacccat ctctaataaa tctcaacttt gagtcaaaat 120
 tttgtcttct ctcaaacc aa ttcatagttc taaaaatctc acctttatct caaattttta 180
 atctttcatc tgattttctga aacccaaatt ctctaattct atctttgagc caaaaagt 240
 caatctttcc tctgatttct gaaacaaaa atctctaatt tcaaaaaaaaa aaaatctcac 300
 ctttgggtca aaaatgtcag tagcttggtg actagaatgt gtcttctgtg taggattcag 360

tagatgggca tg

372

<210> 464
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-E7

<400> 464

tttcatttct tcttgtgtgg ggaaatctgc atctttgtcc actctctttt attttcccaa 60
gaaaggaaac aaattcccac aatttcttgt cttctcttaa agttcttctt aagttgaagc 120
ttcttgtctg tttttgagat ttccagtaag aagaaacttc gctaattttc ccgcggaaat 180
tctcttacia tcataaagtt ttcttttttt tttgctctcg agaaagtttt gagaattttt 240
anttcttcaa atggcgtcaa gaganatata aacgatgatt aaacaagggt ttaacgcagg 300
accattactc nctttttctc cgttaagaan ctcaactccn attaaactcc ccaancgcct 360
ctca 364

<210> 465
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-E9

<400> 465

attagtacag attagggttt tattcgttat tattgtctat attactcctt gattgtggtc 60
gatgacctcg ctacttcttc tcagaacgct tccgcttctc cgcaacggat ttctcaacca 120
tcgtcatcaa gttgggtatcg tagctgggtg aattctcagt caccgtcggc gtttgttgtg 180
ttctcttgct gatagaccac agttttacga gaataatgat tctgtttctc cgggtggaggg 240
atccggcgcg gcggcgatga acgtgacatc gcctgttggt gataatagct ggcgttatga 300
agattctgat tatcggaat ggaagaatct agaagctgag attcctcgag atattgaanc 360
tanttctcct ctcgctaaaa aaaatcttca atccgataag tatttngg 408

<210> 466

<211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F1

 <400> 466

 ctacgcacgg attcgccgcc caaagatcgc ctgcatgagg cagcactgac agtcagtgtt 60
 gaatagcaga ccagttgacc tgtcacgaca gtaaaccggcg agttgaggac tgcattgctta 120
 gcgcatccag ttgttgtgag tgaatgcgg gggacagcac gacaatatag tttgttgatg 180
 cttgttaagt agcattgttc ttctggtgtt cctacagcac agcatcttgt agcagtgcatt 240
 ccaagtctta tctagccttc gtatttacag ctgtaaatag cctgcaggct gtacggtaca 300
 ttcacttcac caatgcttaa attttaaacg ccttggtggc ccctgttgat acttcattac 360
 acaagtgggt ttttaaaagc cagccagccc caaaaaaaaa aaaaaaan 407

<210> 467
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-019-Q1-B1-F10

 <400> 467

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 gaattcggct cgagtggaaa acaaagagac caagcaagaa ccagcagcag cagctgagca 120
 aaagaccgtt ccgttgatcg aagatgagat cgagaggagc aaagtcggga tcatgagagc 180
 tctctgcgac cgacaagatc ctgaaactaa ggaggtggat gatctgatga taaggagggtt 240
 tctgagagcg cgtgacctgg acattgaaaa ggcttcaacg atgtttctaa attacctgac 300
 ttggaagaga agcatgctcc caaaggggca cataccagaa gcagagattg caaatgatct 360
 atcgcataac aagatgtgta tgcaagggtc tgacaagatg ggtcgacctc tcgctgttgc 420
 cattgggaac agacataacc cttccaaagg caaccctgac gaattcaagc gttttgttgt 480
 ctacacgctc naaaagattt gtgctaaaat gccn 514

<210> 468

<211> 526
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-022-Q1-B1-E3

 <400> 468

 ggggaatgaa ttttgtgacn cnc tagangc cctaanacgt cgaaagcacc cgtacgnnag 60
 ctcgnaattc ggctcgagtt cccccgcagc tcgagcttag tctcggcgga ggaggcggcg 120
 gctcgtgtta tcagatcccc atgtcgcgtc ctgtctactt tttggacctg atggggatcg 180
 gtaacgtagg tcgtggtcag cctcctcctg tgacatcggc gtttagatcg ccggtggtgc 240
 atgttgcgac gaagatggct tgtggtgccc aaagcgactc tgattcgtca tcggtcgttg 300
 atttcgaagg tgggatggag aagagatctc agctgttaga tctagatctt aatttgctc 360
 ctccatcggg nacaagcctg agcttttaac ggtgtcgttt caattcgaaa gcgcaatgcg 420
 tttcttcctc ctttttgagc tgtgaaaaat tcgttttctc aatagntttc ctctcctctc 480
 tctcccaagt ccaaatttaa taccaagttt ttnagaaagg aaaaaa 526

<210> 469
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-023-Q1-B1-B9

 <400> 469

 gagacagcaa caaacagaga aaatgtgtgg cggtgctatt atttccgatt atgcccctct 60
 cgtcaccaag gccaaaggcc gtaaaactcac ggctgaggaa ctctggtcag agctcgatgc 120
 ttccgccgcc gacgacttct ggggtttcta ttccacctcc aaactccatc ccaccaacca 180
 agttaacgtg aaagaggagg cagtgaagaa ggagcaggca acagagccgg ggaaacggag 240
 gaagaggaag aatgtttata gagggatagc taagcgtcca tggggaaaat gggcggctga 300
 agattcgaga tcacgaaaag ggtgttagag tttgggcttg gtacgttcaa cacgggcggg 360
 anggaacctg catggcttat gatgttgccg caaancagat tcgtggtgat aaagcaagct 420
 caacttcaa atntgc 436

<211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-F8

 <400> 472

 gagcaacaaa cagagaaaat gtgtggcggg gctattatgt ccgattatgc cctctcgtc 60
 accaaggcca agggccgtaa actcacggct gaggaactct ggtcagagct cgatgcttcc 120
 gccgccgacg acttctgggg tttctattcc acctccaaac tccatccac caaccaagtt 180
 aacgtgaaag aggaggcagt gaagaaggag caggcaacag agccggggaa acggaggaag 240
 aggaagaatg tttatagagg gatacgtaag cgtccatggg gaaaatgggc ggctgagatt 300
 cgagatccac gaaaagggtg tagagtttgg cttggtacgt tcaacacggc ggaagaagct 360
 gccatggctt atgatgttgc ggccaagcaa attcgtggtg ataaagncaa nctcaacttc 420
 caaattctgc accatcctcc 440

<210> 473
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-030-Q1-B1-G2

 <400> 473

 tntgagccct ctgaatttat gcnacactat aggccaccta tgacgttnaa ancancctt 60
 acttaacctc ggaattcggc tcgagcacag caacaaacag agaaaatgtg tggcgggtgct 120
 attatttccg attatgcccc tctcgtcacc aaggccaagg gccgtaaact cacggctgag 180
 gaactctggt cagagctcga tgcttcgcc gccgacgact tctggggttt ctattccacc 240
 tccaaactcc atcccaccaa ccaagttaac gtgaaagagg aggcagtga gaaggagcag 300
 gcaacagagc cggggaaacg gaggaagagg aagaatgttt atagagggat acgtaagcgt 360
 ccatggggaa aatgggcggc tgagattcga gatccacgaa aagggtgtag agtttggctt 420
 ggtacgttca acacggcgga ggaagctgcc atggcttatg atgttcggc caagcagatt 480
 cgtggtgata aagccaagct caacttccca 510

<210> 474
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-037-Q1-E1-G8

<400> 474

 tttttttttt tttttttaca taatcataat aaaattgcat tatagatgaa gaaactgaag 60
 ctacaaatta cataagacaa aagaaaaaaa gattacataa aatgaaaact gtggcatggt 120
 cgagcctgac aaaaaaccgc aagctggacc gacacagaga gactaatata aaccataata 180
 caaatattaa catagcaaat ttaacactaa tccatattta attaattact cttgggccag 240
 tcatgcaatt tcacaaaaac tccattgcaa ggggctgaat ttcctatttt gccctaagc 300
 tagaatcgaa tccaatcga tctcgtagca eggatacttc tccaacgaga acgtctcggt 360
 ccaactgcggg cggtcctcc gggtcagcga acgtcaagtc cgacnacggc gaaagattca 420
 agcgggtggga ctc 433

<210> 475
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H7

<400> 475

 tttttttttt ttagcataca aagaagattt atttgattaa acagatgaga ggttcaaaca 60
 cattatgaca aatgttaaag gagttttggg gcatnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng cctctactta 180
 acttcatcac aactaccctc aagatagagg ctcatggctt ctcgcaatgc aaacaggaac 240
 tctggnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt 300
 ttggaggttg ataaacgaac gatgcgggaa actcacaac atgcagcctt atttacatga 360
 aactgggatc ttttcagaag actcctccaa tcatggaat 399

<210> 476

<211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-08-Q1-B1-B2

 <400> 476

 cacagcaaca aacagagaaa atgtgtggcg gtgctattat ttccgattat gccctctcgc 60
 tcaccaaggc caagggccgt aaactcacgg ctgaggaact ctggtcagag ctcatgctt 120
 ccgccgccga cgacttctgg ggtttctatt ccacctcaa actccatccc accaaccaag 180
 ttaacgtgaa agaggaggca gtgaagaagg agcaggcaac agagccgggg aaacggagga 240
 agaggaagaa tgtttataga gggatacgta agcgtccatg gggaaaatgg gcgggctgag 300
 attccgagat tcacgaaaag gtgttaaaat ttggcttggc acttcaaac gcggggagga 360
 aactgccatg gcttatgatg ttncggcaa acaaattcgt ggtgataaag ccaa 414

<210> 477
 <211> 348
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-08-Q1-B1-E7

 <400> 477

 tctctcagag tgagagcgag ttaagtcagc cgagtttccc ggtggagtgt ataggatttg 60
 gaaatgggga cgagtttcag aacctgagtt acggatttga gccggattat gatctgaaac 120
 agcagatatc gagcttggaa tcgttccttg agctggacgg taacacggcg gagcaaccga 180
 gtcagcttga tgagtccgtt tccgagggtg atatgtggat gcttgatgat gtcatttgcg 240
 tcgtatgagt aaaagaaaaa aaaataagtt taaaaaaaag ttaataaag tcctgtaata 300
 atataatggt aaccgccgtt aactttaaaa aggttttaac cgtccgca 348

<210> 478
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-01-Q1-B2-A2

<400> 478

ggtaaaagga agatacagga tctgggtttcg caggtggatg tacatgcgaa actggatcct 60
gatgttgaag acctcctttt ggaggtggca gatgacttca ttgattcggg cacatccttt 120
gcatgtagct tggctaagca tcgtaaatca tctgtattgg agcccaagga tatattactc 180
cacctagaga aaaacttgca cttgacaatt cctggattct caagtgagga taaacgtcaa 240
acaaaaactg taccaactga tctccacaag aagcgacttg caatgggtgcg tgcattacta 300
agaatcctca aaaccagaga cgaatgcaag caattccaag ggaaactatg anacaagcga 360
tggtgaancc aaatgggtccc gaatcatctc ttaagaccct cc 402

<210> 479

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-01-Q1-E1-G4

<400> 479

tttttttttt tttatattgg ttaaaacttg aaactgaaat tagagataac cgatttgatc 60
agacaagaag agaaggagaa agacaaagta cttggggagc agtaattata ataacatcga 120
catcaacaga ttacaacgca agtctttctt cattaaccga gcttggcaag aacattgttc 180
aaactcgaga cagttttctga gtaatacttc tcagcatctg ggctactctt tgatctcgcc 240
gcatantcca agttgtcaat ggttttgaaa agctttgcgg tgagatcttt aaggctttgc 300
ttctcttctt taggcttaac ggagataacn gtgttgagat ngtaacggag gtacgatgcc 360
ccttaaaccg ggnattcggt ccggaacaaa anggnccaaa gccttttttg nccgataaa 419

<210> 480

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-05-Q1-B1-A5

<400> 480

gcataancan aaacggcccn ggcncgcgta cataagaacg gaatttgatt gcgagtgaga 60

tatttatgcc aagccagcca gacgcagacg cgccgagaca gaacttaatg ggcccgctaa 120
cagcgcgatt tgctggtgac ccaatgcgac cagatgctcc acgcccagtc gcgtaccgtc 180
ttcatgggag aaaataatac tgttgatggg tgtctggtca gagacatcaa gaaataacgc 240
cggaacatta gtgcaggcag cttccacagc aatggcatcc tggatcatcca gcggatagtt 300
aatgatcagc ccaactgacc gttgcgcgag aagattgtgc accgccgctt tacagggctt 360
cgacgccgct tcgtttctaac atccgacacc aacaacgctg gcaccaatt tgatnngcgc 420
cgaagantta atccgcc 437

<210> 481
<211> 526
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-B1-B4
<400> 481

ggtgtcnagt ttgggacggg ncctagagca aataanacgt cgcattgcacg cgtacgtaag 60
ctcggaattc ggctcgaggg tattttgata aactggcaan ttccanggn acaaattgag 120
gctgtgacca atgacaactt gattatcaat gtatacaaca ccttggacna acctttcctc 180
ttatcttggg atggagtgtc gcagaggaga aactcgtggc aggatggagt gtatggtacc 240
aattgtccaa ttctaccaag ggcataactt cacttatgtt cttcaagtga aggatcagat 300
atgtagctag ttctactacc cttcncttgc ttttcacaag gcagcangga ngttatggtg 360
gattcaaaat tgctaagcgn cccggggaat ccgagtgcct tttcctacgc ccagcaggag 420
atttcacata ttgncaggaa aactgggtac aangagaaaa tcacncagga ttttaagggc 480
catttttggg atgntgnaat tgacctttcc cttccctnaa ggggaa 526

<210> 482
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-040-Q1-E1-B10
<400> 482

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aatcaccatc gaagcagtaa gagcagccgc ggagataccg gtcaaagcct tgtccatctt 360
gangggcctt aacttgaanc ctctgtgctc ctgcctcc 398

<210> 487
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-G1

<400> 487

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ctgtttcaac aagaccaagt tctgaacaat tactcagcta gtagttttat catgcattca 120
aaatcttctc ataagcagaa aaacgtcata gatatcaaaa ctactaaagc aaaacatctg 180
cgaacggatg aatgattcgt gagatctcaa tctcacttct tctgaaaga gcatccctct 240
tgtagcctcg ctttaccacc ggtgggctgg cacagaactg tctgacagtt tccacatacc 300
acaacagttt gagaatggct gaacacagtg gttatgttga agcatccctg acacttaaca 360
tccatgaaga aggagttggg agattgcacg agacgcttga 400

<210> 488
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-G11

<400> 488

tgaatcaaag acagactttg acttttcttt gtgatcgaag atatggcgga tgctttcaca 60
gatgaacaga tccaagagtt ttacgaagcc ttctgtctca tagacaaaga ttccgatggg 120
ttcatcacga aggagaagct aacgaaagtg atgaagtcga tggggaagaa tccaaaggcg 180
gaacaactgc aacagatgat gagcgatgtt gacatctttg gcaacggtgg catcactttt 240
gatgatttct tgtatattat ggctcaaaac acttctcagg aatcagcatc ggatgagtta 300
attgaggtat tcagagtgtt cgacagagac ggagatggtc tcatatctca acttgagttg 360

ggaaaaagga atgaaggnc tggggataag ataac

395

<210> 489
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-019-Q1-B1-G4

<400> 489

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atcaatatgt ctacatggcg aagctcgccg agcaagccga gcgttacgaa gagatgggttc 120
aattcatgga acagctcgta agtggagcta caccggccgg tgagctgacc gtagaagaga 180
ggaatcttct ctcggtcgcg tataagaacg tgattggatc tcttcgtgcg gcatggagaa 240
tcgtgtcttc gattgagcaa aaggaagaga gcaggaagaa cgaagaacac gtgtcgcttg 300
ttaaggatta cagatctaaa gttgagactg agctttcttc gatctgttct gggattctca 360
ggttacttga ttgcgcatcta attccttcag ctactgcca tgagtctaan gttttttacc 420
tga 423

<210> 490
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-01-Q1-E1-C10

<400> 490

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cgcccgccct nttttttttt tttttactca tacgacgcaa tgacatcatc aagcatccac 120
atatccacct cggaacgga ctcatcaagc tgactcggtt gtcgccgggt gttaccgtcc 180
agggcaagga acgattccaa gctcgatata tgctgtttca gatcataatc cggctcaaata 240
ccgtaactca ggttctgaaa ctctgcccc tttccaaatc ctatacactc caccgggaaa 300
ctcggtgac ttaactcgct ctactctga gagacaacgc agaccttctt cgccggaggc 360
tgatcggttg atcggtggcg tgacggngga ggagtataat taggaggang aggatgggtgc 420

aaatctggga agttgagctt ggctttatca canggnnttg cttgggcgca anatcataag 480
cc 482

<210> 491
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-E4

<400> 491

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atctgctgtg gataacttct agctcacggg tcctancgaa ggtctcggga tcggcggaatn 120
naccggcagt gtcccacccg taatcacccg ggaactctcc agtgaggtag ctcgaggagct 180
caccgganaa tggncccaag tacttgacta ggaacggagt gaaattcggga taancggttt 240
ggttcaangc tggttcacia atcttcancg acggangatt ggnctacttg ggcaaccccg 300
aagcttggtc cangetcann agcatcttaa ccatttgggc tacncaagtn tacctcaagg 360
gganctgttn aggggctaca aangtcccc ggganatggt ccaatnggga aaaagcaaaa 420
ggg 423

<210> 492
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-E8

<400> 492

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tcgatgccat ctttcaaaat gaccttcag cttttcttgg tttggtgga gcgagagaat 180
cttccctgga ggagagaagc gaggaacaga acaccaacaa cacggttttg cacgtagctg 240
caaagctcgg tcaccgagaa ntggtcgcca agattattga gctccgacct tcccttctct 300
cttcccgtaa cgcgtacgga gacacacctt tgcaacttgc tgctcttctt ggagacgtaa 360

acatagttat gcaaattgtna agacactgga ttggaactat attccgcacg 410

<210> 493
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-F1

<400> 493

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caaaattgga gaaaccaaca ggcaagaaac agacagcgac ggttggttggtg ggagtgttgg 120
cggtggggatg gctggcgata gagctcgtgt ttaagccatt gttcaagaag ctgagctcct 180
ccaaggacaa atccgattcc gacgatgcca ccgtccctcc cccgtcgggc gcctgaatat 240
ggtgagtggag aatttaacaa agcctctgcg ggagacacgt gtggtgaagc tcattttatt 300
agcaaatacct ggtgttttct tttgtaataa ccgttcggga cttttacgta ctgctttgat 360
gatgtccctt ttttaaatta accccccctt tnaaattaaa atcccgacaa ggntaataa 419

<210> 494
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-18-Q1-B1-F11

<400> 494

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cacctatcct caccattcat catcgacacg tggctgggtt aactcaaate aacggaagaa 120
gatgacgtct gacggagcaa cgtcgacgac agctgcagct gcagcagcag cgatggcgac 180
gaggaggaaa ccgtcgtgga gagagaggga gaacaatcgg agaagagagc ggcgagaaag 240
agctgttgcg gcgaagatct atactggtct tagagctcaa ggtaactaca atcttccaaa 300
acattgtgac aacaatgagg ttcttaagga tccttggtct gaagctgggt gggttgttga 360
acaagacggg actacttate gcaagggaca caagcctcta cctggtgac 409

<210> 495
<211> 388

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-F6

 <400> 495

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 tcttccgacg ataaagatta gaagacatga anaacggtaa ccggaaaaca acgccggaaa 180
 caganaagtc tcaccggaga aagttatcag agaaagcgat gtcgtttcac ggagaggaa 240
 caacgccgtt atcaaatcca ggcgaagctt cgaagaccga aaacgttacc ggagttattc 300
 tccaccggtc aaaagcatca ccgtncgga gacggtttca cttccgccac gtttgacgaa 360
 acttttactt aacgtgacgg tacaanga 388

<210> 496
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-G1

 <400> 496

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 tanggaggtc gtcataacca agccaaacac tttcctccan gaaatgatgc aaggcaccac 180
 caagcctctg aaactgcaca gaagggctct ccagttgtga agttgcagcc tattgaagta 240
 cctattatcc cttttagtga actcaaagaa acaactgatg attttggatc gaattctctc 300
 atcgggtgaag gctcttatgg aagagtatac tacgggggtat taaacaatga tctgccttca 360
 gcgattaaag agttggattc taacaaacag ncctgacaat gaaatccntg ctcaggt 417

<210> 497
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-G5

<400> 497

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gaggtcgtca taaccaagcc aaacactttc ctccaggaaa tgatgcaagg caccaccaag 180
cctctgaaac tgcacagaag ggtcctccag ttgtgaagtt gcagcctatt gaagtaccta 240
ttatcccttt tagtgaactc aaagaancaa ctgatgattt tggatcgaat tctctcatcg 300
gtgaaggctc ttatggaaag agtatactac ggggtattaa aacaatgatc tgccttcaag 360
cgattaaaaa gttggattct aacaaacagn ctgacaatga attccttgct cangt 415

<210> 498

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-G6

<400> 498

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cttgctacaa aggctgcacg taagtctgca ccaaccactg gaggagtcaa gaagcccat 180
cgttaccgtc caggaactgt tgcactacgt gaaattcgta agtaccagan gagtaccgan 240
ttgctgatna ngaagctccc ttccaaaag ntaattcgtg aaaantgncc aagatttcaa 300
gactgacttg cgtttccaaa nccaatgctg ttgccttгна ctccaaggan ggctgctgaa 360
agcaaaaccn tgtgggtcnc cnttgaggga aactaacctc tgggccatcc aagccaaa 418

<210> 499

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-18-Q1-B1-G7

<400> 499

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntgttcga gtcctgcgg 180
 cgaagaaacc gagtccggaa taccattttt ggcagcagaa ctggtttatc ggtctgctat 240
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 attccgggta cacgtctgcc tccgccgctg cttctggtaa agaaggtgtc gagattactt 360
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<210> 500
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-G8
 <400> 500

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 agcagctata tgagacgggt gcagcagaca taaggtcacc tcacgggtcc atggacgcta 180
 atggtgtgcc tgcgacggct ccagcagccg ttggaggang aggaacgttg tcgaggaaat 240
 caagccngan gttgatgggg gatgtctccg gggaaggagt aacngcgccg ggacacacat 300
 aagggaatcc aaggaccgct caacntaaac tccaagctaa aaggaaatta antaaccggc 360
 gcaacntttg agcccttgcg tccaancgca tccgctccgg cctttcaatt ttcccttcaa 420
 cngggg 426

<210> 501
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-18-Q1-B1-G9
 <400> 501

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cctggaagaa caccgaccag tgcaacacct tctggaagga cacctgctct gaagaagcca 180
aaggcaaacy aaccaaataa aagagatatg acgtatgagg agaagcagaa gcttagtggc 240
catttgcaga acttgctcc agataaacta gatgcaattg tacaatcgt taacaagagg 300
aatactgcyg tgaagctacy ggatgaagaa attgaagttg atattgatag tgttgattca 360
gagaacctgt ggganttga caaatttgta ncaactataa aaagggct 408

<210> 502
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-H2
<400> 502

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acggaggatt ggactacttg ggcaaccgca gcttgggtcca cgctcagagc atcttagcca 180
tttgggctac tcaagttatc ctcatgggag ctgttgaggg gctacagagt cncggagat 240
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cctcnctact gacccggaag ctttcgcyga gttnaagggt gaaagaactc aaagaacggg 360
aaaggttggc taatgttccc caangttttg ggattccttc cttcaaggcc aattgtnaac 420
cgggaaaagg gga 433

<210> 503
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-18-Q1-B1-H7
<400> 503

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tcagagatcc accatctctt tccgtcgaca gggctcttcg ggtatagtct gggacgatcy 120

tctcatcgcc gagctaagcc aacaagcggc caacgaccgg aaaggcgaga ctctacanca 180
ggacgaacan gccaaagctga ttacgtcgga agtacaggat cagacaacca aacctatcgc 240
cggagaagga ctcaaacctta tcagaactga cggaggtatg gagaggagtc gattcaacgg 300
aggangagcc atccgccacc atcgaaacac anggagagtg tctccggcgg tggacccgcc 360
gtcgccgaaa ctgtcggcgt ttgggtgctg ctctgccttc gggaaaaaac aacc 414

<210> 504
<211> 392
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-04-Q1-B1-A9
<400> 504

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gatcttaatg ggaaacatct gtcttggtc tggatcttcc actgttaacc acgaacctgt 180
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actgagaccc gccgtaccc cgctcgtga aaaaccgcaa cataggacga cgagattcgt 360
cgagaaccac tcgtgaaaaa acgcaggaga aa 392

<210> 505
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-04-Q1-B1-B9
<400> 505

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ctctcttatt aggttcagtt cnntttcgat tcttcgtgtg gatcgctgtc ggtagatttc 180
cgatttcntt aggttctgcn cgaaatcgtg gtttaagtgt ttattatcat ngattcagaa 240
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gtagaangag attgtcgaag ttgggatatg gtttctcctt ggntctttcn ctgnncctgg 360
 ttttaantttct cgtcatcggt caagcattnt caccatnaag aaggattcng cccaagntt 420
 tttacttgag gagaggacac tngga 445

<210> 506
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-04-Q1-B1-C12
 <400> 506

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 atcattcctg ttaagaccaa gcttggtgac ccgaagactg gtgatgagaa acccattaca 180
 gtttctgttg atgatggtat ccgaccaacc acaactcttg cttctcttgg gaagctgaag 240
 ccagtgttta agaaggatgg caccactact gctggaaatt ccagccaagt aagtgatggt 300
 gcaggagcgg ttctcctaata gaagagaagt gttgcaatgc aaaaaggact tcccgttctt 360
 ggtgtattca aggacatttg cctgcaattg gtgtttgacc cctgcaatca atgggggatn 420

<210> 507
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-04-Q1-B1-D12
 <400> 507

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 actgtttttg ggtctgcttc aattgcagtg gaagagatgg tgttcttgag ttggggccgt 180
 ccatcttccg agcaacagca acaagtcac aacaaaacag gaaccttcaa ttatgacaac 240
 aagtacagag gagtttcgtc taggtctatt gctaaactta aggaagattc agagattgat 300
 aaagatggat tcttgatcaa tcatgctccg tgttttaatc ggttctgggt agagagagtt 360

atgaagaang gnaaaaaagc tcctccaana attggaagc

400

<210> 508

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-04-Q1-B1-E10

<400> 508

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accgaagctc tcaaatttgg taagacaaga ttggctcctt ttgggaaggt caaaaaatat 180

gtagaaaagc ttgaagacgt aatggcattg ctgccttatg aagaccctga gaaatcccca 240

atgttccatc ttttgagctc tgaataccgc caacaagttg ctgataatct gaaccgcaca 300

attcttgaac acacaaacca cccgagctac acaccaatgg aaaggatcat acaacaggtg 360

acagttgtga gacaatactt gactgaggag aatggcaaag atgcgtttcc cccaatcctc 420

tccgaaagga tcccccaaaa gggntaaaat tgca 454

<210> 509

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-04-Q1-B1-E9

<400> 509

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gagggcgaga gagctgattg atgtcttttg tatctggagc cagggacatg gggttnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnggatg gagatgatga gaactcctcc tccagaacaa 240

gagccgacga cgatgctctt agtcgacaag atgagcgaat cttctctttg tgctaccgag 300

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ctccgagaaa gncaaaggat gatnagaatt ccgaagga 398

<210> 510
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-04-Q1-B1-H11

 <400> 510

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cgtgtcttta aaggcatggt cggcattgacc actgaccctg ccgctgtcca agagctcgaa 240
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aaaa 424
  
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<210> 511
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-A12

 <400> 511

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gttccattaa ctagecgtgt tgtgaccctt ggtatcgacc ccagagctt ctacttgggg 360
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<210> 512
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-A9

<400> 512

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 aagggtggatg gaaaagtagg tgggtcttgt ctgattggaa aagaaacgaa ggcaaagctg 180
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<210> 513
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-C11

<400> 513

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 aaaggaaaag gcccataagt gatgaaatta ttttatgtct caacactatg atttttgtat 360
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 gccgccc 487

<210> 514
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-D10

<400> 514

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 actcggcgcc gccactctca aacctcacgc aagaagaact caagaaaatc gccgcttata 180
 aagccgtcga attcgtcgaa tctggaatgg ttatcggctc cggcactggc tccaccgcga 240
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 gaatccctac ttcaaccaca acgcatgagc aagcgggtgc tctanggata ccattatccg 360
 atntagattc gcacccgggtg gtggatctat caatcgatgg cgccgacgaa gtcgatcggc 420
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<210> 515
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-D12

<400> 515

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 cgccgatcaa accctaggtg tatcaattcg ttcagattcc cggcgggttg tctcactgtc 180
 atgtaggttt gattcatctt ctcttctgga tcttgagtga cgaagagaga agagatctga 240
 gtttttctga gagagagatt tttctccctc gttgaccga tcagtttttt ttcgtcgtcg 300
 gggattttca aatttttttt gagggatcgg ttttgatttg ttacgtagat ggcggattct 360
 tcacccgatt cgtgtttcaa aggaggcaaa tttagtgtc caaggtttcg atttcatcca 420
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<210> 516
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 516

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 cctagaaagg ctactcccac tgagatctcc tggatcgatc tcttctccaa ttccatccct 180
 tctttcaagg aacgtgcaga gagcgataca accgttccag atgctcctgt tcgagctgaa 240
 aagtttgcca aaaggatgc ggagattctt gaggacctga agaaagattc ggagagccat 300
 ggtggtccac cggattgcat tcttctctgc agaattcgtg aagctgatac taaagagaat 360
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 acta 424

<210> 517
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 517

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 agtaaatacgg attacgtcaa aaagccaatc cccaaagaag gactggagaa gatttggaag 180
 acaatgttga aattcaacaa tattgtgtgg ctgcacttca acccttacgg tggaatgatg 240
 gatcggattc cgtcaaacgc cacagcgttt cctcaccgga aaggaaactt gttcaagggt 300
 caatacnata ccacatgggt ggacccaaac gccacagaga gtaacctgag tattatgaag 360
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aa

422

<210> 518
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-06-Q1-B1-F11

<400> 518

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cttctcgcca gaaagcaatt cgttattgat gttcttcata ctggaagagc caatgtttca 180
aaggctgagc ttaaggagaa attggcgang atgtatgagg ttaaggaccc aaatgctatc 240
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tcaatgatac tgggtcaagaa cgcctaagaa attttgagnc caannttaan acttatcaag 360
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anaacaaggc 430

<210> 519
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-06-Q1-B1-F12

<400> 519

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aggctgcacg taagtctgca ccaaccactg gaggagtcaa gaagcccat cgttaccgtc 180
cangaactgt tgcactacgt gaaattcgta agtaccaaga agagtacccg agttgctgat 240
caggaagctc cttttccaaa ggntagttcg tgagattgcc caagatttca agactgactt 300
gcgtttccaa anccatgctg tgcttgact ccaagaagct gctgaaacat aacttggtgg 360
tcccccttng aggacacta anctctgngc caatccatgc caaagcgtgt ngaccaataa 420

tgcccaaaag 430

<210> 520
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-G10
 <400> 520

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 tctnagaant cacancancn cngtcncatg atcatattag caggaggacc aaacacacnn 120
 gactcaatct tctcacttct cactccctcc tccgtagaat ccgccacaac atcattcaac 180
 actcacaatc ctccgccacc gccgcagctc gggctctccg tctatctccg ccaacgagat 240
 atcatcgaga agttccacct tcagaacaga gcaatctcca ctctcatcc tctctgttt 300
 tcttcaacgt acgatnatca tcaaacttcc gagctaattgc tccaagcgnn ggccgggtct 360
 ccancgcccg cnttcgccgc tgcgttagcg gctgggangg tgacgaaaaa gaaganactt 420
 tacagtggat gaggcataag aca 443

<210> 521
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-06-Q1-B1-G11
 <400> 521

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 tcgatgagag ctccggcgag gaagagttac atattccggc gtttgtgaac cgtgttccc 180
 ccaaggttct gccgccaggt gtgttcgata aactctctta cgggtctctg gtcaaaatcg 240
 gcgagcgatt acatgaagcc aagggtattt tggtaattc atttacccaa gtggagcctt 300
 atgtgtctga acatttttct caaggacgaa gattaccctc acgtgtatcc tgttggggcc 360
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a

421

<210> 522
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-06-Q1-B1-H10

<400> 522

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 tgatgttcca tttggagttt tgctctctgg tgggtctgat tcttccttg ttgcctccat 180
 cactgcacgt cacttggccg gtactaaggc ggctaagcaa tggggtcctc agctccattc 240
 cttttgcgtt ggtcttgagg gctcaccgga cttgaaggca aggaaagagg tggcgggaata 300
 tttggggacg gtgcaccacg agttccactt ctcggtgcaa gacgggattg atgccataga 360
 ngatgtgatt tancaagttg agacctatga tgtgacgact atcaaagcga gcacaccg 418

<210> 523
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A1

<400> 523

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 gatcgacagg aaagcttggc catatgttca aaacgatctt cgttccaagg cttcttatct 180
 tcgttatgat cttaacacaa tcatttcctc caaacccaag gatgagaaga agtcactcaa 240
 ggatctcacc accaagctct tcgataccat cgacaatctg gattatgcgg cgaagaagaa 300
 gagtcttcg caggctgaga agtactaagc tgagacagtc tcnngcnttg aacgaaattc 360
 ctgccaaacc tggggtaaan catttaantt ctgcattttt cctgttaaatt aatatacct 418

<210> 524

<211> 469
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A10

 <400> 524

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 ttagtcgcct tcgtgctgac gtggacggtg ttctacctta ccaacatgaa gaagaaggcg 180
 acggatttgg ctgatacggg ggctgaggat caaaaagacg gtgctgctga cgtcattatc 240
 gtcggggctg gtgtaggtgg ttcggnctc gcatatgctc ttgctaagtg tgcgcctgna 300
 agaaggaacg gtgaagtctt tactagaaga aaaaggagtg gtcaaangga gtgacataca 360
 agaataatga angcgaanaa ncaacagcct tgggcacctc tcactgtggn aagcgacggt 420
 tgctactcaa accnttcgtc cgggtctctta atgaangaca acaattgct 469

<210> 525
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A12

 <400> 525

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 ttaggtttca gattcagacc taccgatgaa gagctcgta atcactacct ccgtctcaag 180
 atcaacggac gtcactccga tgtccgtgac atccctgata tcgatgtctg caaatgggaa 240
 ccttgggacg ttccgtctct ctcggtgatt aagacggatg atccagagtg gttctttttc 300
 tgcctcgtg atcggaaata ccctaattgg catcgctcta acagagcaac tgactctggc 360
 tattggnaag ctactgggta aagattcgta ncatcaaagt ctaagaaaga ctttaa 416

<210> 526
 <211> 406
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A2
 <400> 526

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tactggtagag gtttatcctt tggattctga agttagggtt tgtgatgagt gtacaactgg  120
tgatgttgcg actggttgagt tgagggaagg agatagtatt ttgatcaatc atacgactgg  180
gaaagagtac aagcttaagc cgattggtag tgctggacca gtgattgatg ctggtggtat  240
atttgcttat gctaggaaag ctggaatgat tccatctgct gctgcttgat tttgacttca  300
agtgtcaatg gaaattcaat gagagtcacn tcaagggttc ttgattcaat aatnanaata  360
agttaatggt tccaaaaacc taataaccta atccaagttt tatgaa                    406
  
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<210> 527
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A4
 <400> 527

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngtcag accctggatc caaagataac  180
gacattaaca acatccttat cgggtctttat ggatcccaat atagatacaa ggaaatgcgg  240
cagatcataa ctcccgtagg caggaagcaa ctggaaccga tgttaciaag ctaccgcaag  300
gttgtgggag ctgagctttc aaanagaatg gtgtnnnnnn nnnnnnnnnn nnnnnnnnnn  360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna              408
  
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<210> 528
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-A6

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 tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 108

<210> 531
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-B10
 <400> 531

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 cttcgtaccc cgagcaagaa gggacatgga agttcccagg gattggagcc ttccagtgc 180
 atgataagta ctcgtaaagc agcttgaaag cagcagctga gacttatggg aagccagagt 240
 ggggcagtac tggcccaacc gatgctggtc actacaataa ctggccagaa gacacccagt 300
 tcttcaaaaa agaaggtggg ggttggaact cagagtatgg agatttcttc ctctcatggg 360
 actcccagat gctgttgat nacggcgaag cggattctaa cctcaagcca aaatcaatat 420
 tcgaaaacat tgggtgtcaa aatatcggtc aaaatcgctg gaatccactg ggcacta 477

<210> 532
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-B12
 <400> 532

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 aaacaagaaa tcagacaact ccttgtctcg agacacatta caaatcaaaa aaagaaaaaa 120
 aaccacgatg gctcaaaatg gttcgaatac tactgtgaag ctgataggga catgggcaag 180
 cccattcgct ataagggtc aagtggctct acacctcaag tcagtagagc acgagtatgt 240
 cgaagaaacc gatgttctga aaggaaagag cgatcttctt attaaatcca accctataca 300
 caagaaagtc cctgtcctca tccatgggtg tgtatcaatc tgtgaatctc tcaacatcgt 360

ccaatacgtc gatgaatctt ggccgtctga tctttccatc ctcccaacac ttccctcggg 420
aacgtgcctt tgccgttttt ggggctcact tcgttgacgg naa 463

<210> 533
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-B3

<400> 533

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caatcagcta tcatcaaagc tggtttagcg actcaggtga aagtcacagt gcctcttaac 180
gcagatgtgt accaaagtgc gtctaactc ccttcggatg gagatttcag gcctgaaatc 240
cgtgatctca tgttgaacat tgtaagttt ctgagtata acggagcacc attcactanc 300
aacatttacc ctttcatcag tctctacaac gaccgaant tccctgtgga gtttgcttct 360
ttganggnac tgggtactcc cgataaacgg acnatgggaa gaatcctacn aacaat 416

<210> 534
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-09-Q1-B1-B8

<400> 534

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agcgcaacgc cgagcttgat tcggagaagc gtttataccc cggaggcaag ttctttgacc 180
cgctaggttt agcggctgac ccggagaaga ctgctcaact tcagtttagct gagatcaagc 240
atgcacgtct tgcatgggc gccttcttgg gattcgcggt tcaagcggct gcaacaggta 300
aaggtccact caacaattgg gctactcacc tcaatgatca actccaaaac caacatcatc 360
nataaccttc tctcaacct taanatcaat aacaatgtga naatcc 406

<210> 535
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-B9

 <400> 535

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 gaagatttta ccagtcagag gtatatatat atagagagag agttatggat ttggatcaat 180
 ggatttccaa ggtaaagat ggtcagcatc tctccgaaga cgagcttcag cttctctgcg 240
 aatacgtgaa agagattctg attgaggagt caaacgtaca gcctgtaaac aagtccagtc 300
 accgtatgtg gtgatatcca tggncagttt catgatctta agaagcnttt tcagaccgga 360
 ggtcatgttc ccgacaacaa ttacatttta atgggggact cgtggataaa ngttac 416

<210> 536
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-C4

 <400> 536

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 agtatattaa cgtattcaag aaacagcact tacttcacca atctcaaaac acttttgtcc 180
 tctctctctt cccggaacgc ttcatactct accggattcc aaactgccac ggcgggacaa 240
 gctcccgacc gtgtcaccgg gacttttctt ttgtcgcgga gacgtctcac aaagaagttt 300
 gccgtaactg cgtcgccttt tcccgtaaaa gnagacttaa aatgggngtc cgtanaacaa 360
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<210> 537
 <211> 422

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-09-Q1-B1-C6

 <400> 537

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 aacagatcaa atacgaggag agatctctaa agaganttat cgnttcaa at ttgttcacgt 120
 tgagaagttt aatttanatt aaacaacaaa aagatgggtt actggaattc naaggttggt 180
 ccaaaattca agaagttatt cgacgaaaaa tagtgctana gaaggctgct gctgctgaag 240
 ctaccaagac ctttgatgaa tctaaggaaa caatcnacaa ngaaattgan gagaaaaaag 300
 acagaactcc aacaaaaagg gtcgttgga anctatgaaa ncaacntctg gcagaaaagtc 360
 caagggnttt gggtgaaaag accctaaagg tggctgggtt tgaaagaaaa actcaaccgg 420
 ct 422

<210> 538
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-10-Q1-B1-G12

 <400> 538

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 gtgtctcttt cgggtgtttct ccgacaaaaa gagtctcttc cttcactgtc cganctgtta 180
 aatccganan gacaacattc caagtagntc aaccaatcaa nngtgatcca ttcacggaa 240
 gtttggaac tcnggtgaca tcaagcccat tgatcgctg gtancnttcc aacctccctg 300
 gataccgtac cgccgtcaan cctctecten gcgggtgtgga aatgggcctg gcccatggnt 360
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<210> 539
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 539

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ncatcacaaa gctcgggagt ctactcgtaa agctacacaa aggtccttca agttggcttt 180
gtcttcatcc tcgaccagac cgaaccagca acggcggacg aatcaagctc gtcagatccg 240
acggttcttt acaagtctac gatcgctccg tagtagtctc agagctaaca aaagacttcc 300
caaaacacaa aatctgtaga tcagacttac tctacatcgg acagaaaacc cctgttctgt 360
ctgaaaccga aacacttaag ctangtctca a 391
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<210> 540
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-10-Q1-B1-H11

<400> 540

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gagacgcgaa gggttggtgg aattggaagc ggaaatggta cggtcatact ctgttaaaag 180
cgccaagcaa cagcaacctc caccgccgca gcagcaagaa caacagcaag gaggccaaga 240
tgtgaactgc ttaccggatt ctccgatgtt agatacatcc tcttctttcg gctccacttc 300
ttcgtctccc tcgctcgcca atttgctccc gatnctgtc catgtanagg aacaagcgga 360
gtaangactt tgccaaatta naagaaatct gg 392
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<210> 541
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-10-Q1-B1-H7

ARABLI-10-Q1-B1-H10

<400> 541

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cgtttaaacc atcgattcca aaaagcttgt tacttgacgg gaagcatacc attgaatcgc 180
attttatcct cgттаатсac caaatgaaac agatcagatc agctctagcc attgcatctc 240
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tgggcatcct gggтactcct caaggattta agaccgaca acctttcatc tgcccactga 360
tcatgtcntt gaggtcaata tcatgcttaa gggagctanc 400

<210> 542

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-11-Q1-B1-A10

<400> 542

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tgacattctt gtctttaaca ctggacattg gtgggttcат ggaagaccg ccagagggtgc 180
aggaaaaact actacaaaga aggtgactac atctaccgа aatttgatgc tactgaagca 240
tacagaaggт cgttgaagac ttgggcaaaa tggatcgatc agaatgtgaa tcccaaaaag 300
cagcttgтat tttatcgcgг atactcctct gccattttc ggggangtga gtgggactcg 360
ggaaggтcat gcaacgggga agtagaacct gttaaagaaa gggttcaatc catcgaattc 420
ctaacccttt gaaaaatgaa a 441

<210> 543

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-11-Q1-B1-A3

<400> 543

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 gtagcgttgg ttcgagtgat gctcttattg gccatcctgg tttgaagcct atgcgccatc 180
 cctactctct ctcggatggc caaagcgtat ttcggccagg aaaagttact catgcactta 240
 acgatgatgc cttagcaciaa gcgttgatgg atagtaagta tccaaccgag ggactgggtga 300
 actatgaaga gtggacaata gatctgagga aactacatat gggtcctgct tttgctcaaa 360
 ggggcttttg gaaagtttat acagagggac ttacaaccgg agaaaatgtt accattaaac 420
 tactcnaaaa gtcaaataac aancctgaaa aghnacaagc cctcgaacaa ca 472

<210> 544
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-A4
 <400> 544

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 attctttcgc cgccttcagt cttccctcca ttgacccttt ttttgaagaa gagcgattac 120
 aagcgcaagt gtgtataatg acttaaagag agctcctgtt actccgagtg atagatagtc 180
 tacaattata tcttactctg agtgaaagca atggcgtagc gtgggtccgtc catgaatcca 240
 ccggctttga gtggagctgt tcccgggtct gctaacttga agcaagtga attggagaga 300
 gaaagcgagc tcaggatcga agtctctgaa gagcctctca aactccgtgt gggtaacggg 360
 aacgctgaaa tttttggctc cgaactgcct cctgaaatat ggcgtacctt 410

<210> 545
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-B10
 <400> 545

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agaaactctt tcttagctgc ttctactggt tacgtttcaa acgaattcaa cttcttaaac 180
 acttctcttc ttaatcgaag aagcttctgt tttgcagaag gagatcgatc cagctttgta 240
 gtgttgaaat cggaagcaga gttcaacagt gcattgagta aagctcgaga tggatctttg 300
 ccatcggttt tctatttcac tgccgcatgg tgtggacctt gcttatctct cctgtgatat 360
 tggagctcaa gtaataaata tcctgatggt acaacgtata aaggncga 408

<210> 546
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-B11
 <400> 546

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 agagaaaaag aagagagaat gctctcagtc tcagcctctc ctcaccacca ctaaccccag 120
 aagaatcctc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn acaacactag aggaatgggt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntggn 420
 tttccgcgcg tttcctcttc tcgtctcaac gg 452

<210> 547
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-B12
 <400> 547

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 tgctcccttt gtcaaagtgc ttgaccagaa attcgggtatc ataaagggtg caatgacgac 180

tactcactct tacaccggtg accagagggt gctagacgcg agtcaccgtg atctaaggag 240
 agcaagagca gctgctttga acattgttcc tacttctaca ggagcaagct aaagctgtgg 300
 ctcttgtgct ccctaaactc aaagggaaac tcaacgggga tttgctcccc gtgttacaac 360
 aacaaaacgt nncaatgggt tgatnccnt ggtgcaaggc ccaaaagaaa aaan 414

<210> 548
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-B2
 <400> 548

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 gtatagcatg ggttacttca ggcgcgtagc gcctgggtact cgaacattgg ctcggggcat 120
 tttctctacc ctttcttacc ctgaaaaaac agggacacct tgcgtccttg aaccgataac 180
 catctttcgg ctaacctagc ctctccgctc cctcgggacc aacaaggggt agtacaggaa 240
 tattcacctg ttgtccatcg actacgcctt tcggcctgat cttaggccct gactcaccct 300
 ccgtggacga accttgcgga ggaacccttg ggttttcggg gcattggatt ctcaacaatg 360
 tttgcgttac tcaagccgac attctcgctt ccgcttcgct caacgcc 407

<210> 549
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-B4
 <400> 549

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 ccctcaatth cgcattgcca tcgattttct tagagggttaa aatgggtgaa cagactcagc 120
 accccacgat tcttcagaag gtttctggcc aactcttgag ctcgagtgtt tctcaggaca 180
 ttcgtgggta tgcttcgggt tccaaaaggc ctgctacata ccagaaacat gcagcttacg 240
 gaaactactc caatgctgca tttcaatata ctcttgtggc tgcattctag attgcaacta 300
 ctacttctcc tgtgtttgtc caagctccag gagagaaggg atttactaac tttgctattg 360

atttcaagat ggggtggtgtt tccgctgctg tgtcaaagac tgctgctgct c 411

<210> 550
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-B5

<400> 550

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cttatcctcg gagttgcat ccaacgattg gtttggaacg ttccgaggag tctgttgaag 120
atcctcgatt ctaaaaagct tccagaggac aataatttgt gacggagtaa ctctcgagga 180
catggaatgc aacaaggatg aagcgaaaag ggcaatggat attgctgaga ggaagatgac 240
agagaaggat tacactgggg cgaaaaagtt tgctaacaag gctcaaaact tgtttcccg 300
gttgatggt ctgaaacaat tgtttgtggc aatcaatgtt tataatctccg ggagagaaaa 360
cattcgccgg agaagctgat tggatggtg tccttggtgt aaacccttt gcta 414

<210> 551
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-B6

<400> 551

ctcgagatcc gaagcgggtc cacttgatct cgaaggatg ttggattcag aagaccaacc 60
agagacggat tctggactca gaaagcggcg attcgatttc aaaaccgggt aaaactcctt 120
ctccaaatgc ttcatagctt tccgcatcaa atcctgtcct ttagcaagct tagcggagtc 180
cggattcata gcaacgggtgc tctgaatggc gtattgtaac ttgccgagaa cctcgaggaa 240
gcgctctgcct tctaggcggg tttgagcggg gaagagggaa gagaggctgc atgaagaaga 300
agaagagtcg cagagggtgt gagtaacca ttggcatatg aaggcgtcag ctgcctccac 360
actatcgccg attagagact cggagaagcc ctgttgctgt tgccggccga 410

<210> 552
<211> 136

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-C6
 <400> 552
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 gtgattgtaa caatgtaaac aattagattc ttcaagaaaa tagtgacttc accttttcca 120
 taaaaaaaaa aaaaaa 136

<210> 553
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-C7
 <400> 553
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 tcacgaatta tctgacctct gtatcggtaa gccaccttta cgggtgtctct ccgtcgccac 120
 agccaccgta gctgacgcca tcgccgtctc caaatcctct gacgaaccgt tcctcaccgt 180
 atggagctgt aatcacgatg agaaaacaga tgataatgat aagtgtgagt gtttgggtaa 240
 gatctgtatg gctgatgtaa tctgttacct atccaaattc gacaacaatg ttttgtctct 300
 ttctctgtct ttgcacgcat ctgtctctgt tcttcttccc aaatctcgtg ccctcgtcgt 360
 ccatgttcaa tcttcttgca gtttgattga agctattgat ctgataatca 410

<210> 554
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-D11
 <400> 554
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 taaatcgacg aaaaggagag acctttgaat cgaagcttgg tgtgtttata ctatgaagag 120
 tcaatgggtct aattttcatc agattgggag aaactcttcc ttagctgctt ctactgttta 180

cgtttcaaac gaattcaact tcttaaacac ttctcttctt aatcgaagaa gcttctgttt 240
 tgcagaagga gatcgatcca gctttgtagt gttgaaatcg gaagcagagt tcaacagtgc 300
 attgagtaaa agctcgagat ggatctttgc catcggtttt ctatttctact gccgcatggt 360
 gtggaccttg cttaactctc ctgtgatatt ggagctcaat aataaatatc ccgaagttac 420
 aacgtataan ggccac 436

<210> 555
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-D12
 <400> 555

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 atcaaaatgg gtggtggtgg tgatacaaca gataccaata tgatgcagag agttaattct 120
 tcttctggta catcgtcttc ttcgatccct aaacacaatc ttcacttgaa tcctgtctctt 180
 atccgtcttc accatcactt ccgtcacctt ttcaccggag ctctccacc gccgattcca 240
 cccatttctc cttactctca gatcccggtg actttacaac ctagacattc tcgtcttatg 300
 tcgcaaccgt cttcttttct tctcctttga ttcattgccg ccgttaaate cttctgtctc 360
 gtcggtttcg ggtgtccgtg gaggagaaaa acgggtgccg ggatttagtc cntccgtttg 420
 cc 422

<210> 556
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-D4
 <400> 556

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 atggaagtgg ttgctgttgg gtcaatgaag acgcagagac aggagacatg ggcttgctct 120
 gtcactgagt cttttctctt cctcgtcgga aagaatctgg cttgtctctt ccttgtggca 180

aatgggatng ctaattcgtc gtattttgat tcacatagcc aaacagattc aatggcantt 360
 ttaacaacgg ggatttttaa ncggtctaaa aaaaanaggt ttgtgatc 408

<210> 561
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-11-Q1-B1-E7
 <400> 561

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 aaacccatcg tttctctgga ggaatacgac gccggttcct tcgccgagag ttgaagtcaa 180
 taataaggac ggtgaaggaa catcgtcagt tcaacatatc ggtacagttg gttcaactag 240
 cggttccctt aggctaccgg tttagtgttc ggtgatgttt tgtgcattgt tcataaacac 300
 gcaatagatt ttacgtaatt ctttaatttt gtttgcctt ttctgtaaga tatttaaatac 360
 gacaatccaa cggaaaaagg agattgtttt acttaattta aaaaaaaa 408

<210> 562
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-F1
 <400> 562

anaaangaat ggattgggcn acttnaaatt tnatnggaag aantncgttc aacaaacaac 60
 cttatctaata tttcatctac tgaatatattt agtcctgcgt tctctcaagc ctctgcatcg 120
 tctatctttc tctttctctg cctcagcaat ggagagtgat gcatcttgta gcttagtattt 180
 gtgtgggaaa tcctctgtgg aaactgaggt agcaaagggt ttgaagaaca agaactctct 240
 taaactccca gataatacca aagtttcact catttttagaa tctgaggcta aagaatttgg 300
 ttaaagatga tgataattcc ttcaatcctt caatccttaa gaactcnatt ataactcanc 360
 ggtttggacg gtttctcaat tgggtcccgcc gtttgcctc cantcac 407

<210> 563
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-11-Q1-B1-F2

<400> 563

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 tggngtacia gaacatcagt ttcacagtgt gggatgtcgg cggtcaggat aagatccgtc 180
 ccttgtggag gcattacttc cagaacaccc aaggctctat ctttgnngtg gacagcaatg 240
 acagagaccg tggtgttgag gctanagatg aattgcacn aatgttgaat gangacgatc 300
 tgcgtgatgc tggtctgctc gtatttgcta acaagcaaga tntcccaa at gctatgaatg 360
 cagctgagat nacggntaag cttggtctcc actctctccg tcanccgtca 410

<210> 564
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-F3

<400> 564

agcatgaggg gaagtcagaa cagtgggtgta ctctcagttt ttggaatctt acaaaagtgt 60
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 gtcgcgcttc attgctgctg ggaagcttca ctgtaagata gacaaggttg caggtgtttt 180
 ggagacaaac cgtcctgatg caaagaatgc actttaccag gcaacaatca agcaagggga 240
 tttcttgcta aaccgaatcc agaagctgtc tcgtgtgatc gatctgtgag catgctacat 300
 gtttctgttt cactccttcg tcaaagcttt gcaacttgga aactcccgaa cggtaaaaatc 360
 ctaaagggtc gagaaacgat atgaactttg gattttgaga tgaatggctg 410

<210> 565
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-F4

<400> 565

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ctcttcnatt cnatctctta aaccctagat ttgatctggg tnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntggtcg catccccctt 180
tatccgagaa ggatctatcc aaatctttgt ttgtcgaatc tcctctcatg gctaccgttg 240
ctcctcctgc tgatcaagct acagatctgt tgcagaaact atccttggac tcgccagcaa 300
aagcttcaaa agattcctga gcctaacaag aagaatggcg tctaacaagt atggaggcgt 360
tgangttcaa gggcnagtgc cttctaagat ngatctttga caacaaa 407

<210> 566
<211> 272
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-G12

<400> 566

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taggtttgac aagctgattc tactaggaag aggaagtctt ctctactttg gaaaatcatc 120
agaagcttta gattacttct cttccattgg atgctctcct cttatcgcca tgaatcctgc 180
anagttcttg ctcgatcttg ccaacggtaa catcaacgat atctctgtac cttctgagtt 240
agatgataga gttcaagttg gcaattcaag gt 272

<210> 567
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-G8

<400> 567

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cccacgacct tcttctancc ggccaccgct atctagacgt cangactcca gaagagttca 120
gccagggaca tgcctgtggg gcgatcaacg tgccttagat gaatchagga gcatcaggga 180
tgtcaaagaa ncccgacttc ctggaacaag tctcctccca tttcggagaa tccgataaca 240
tcattgttgg ctgccagagc ggtggttagat ctatcaangc caccaccgat cttctccatg 300
caggtttcac ggggagtcaa agatatctcg gtggctaana gtgcctgggc caaagaatgg 360
gcttcctaaa aanggcttga gtgactcaac aatcnacaaa aatccttttc cttanc 416

<210> 568
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-H4

<400> 568

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cttaccacca tttctcgnga naccctagn aantcncct cttgttcgc nactgccgcc 120
gcnctactc aacggtggtg aattttctat acggtcagtt cgatcctctt tttatcgaca 180
atcctacaca aatccataat catggccgcc actgcttcct ccgaagcttc tgaaggacca 240
gtgatgggtc tcatcaacaa gcgtctccgt gctctccgta agaaatacaa ccgaatcact 300
caaatggaag aatcgatttc tcaaggcaaa accctaaaca aggagcaaag aagaagtcct 360
ccgctctaaa cctgccgtcg tcatcctaata cgacgagctt gaaaagattc gtgctcctct 420
ctccgccgct gtgacagaag 440

<210> 569
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-H5

<400> 569

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tgttctacta tttcagtagc aactgtactg atccacccca atgtattcac ttactgtata 120
tccacctatc caaaatttat tcgtttgtat ccattacttt gtatcacgat tcgaacacac 180

ctctctttttt ttttcccctt ttcaaaaaaa aaaaaaaa

218

<210> 570
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-11-Q1-B1-H6

<400> 570

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tgttactatc tatgttcctc gcaaacttta tcaccgatct tgaagcttct tctcatcaag 120
atctcaacca accgtaccgg accggttatt actttcaacc tctcaaaaat tggatgaacg 180
atcctaattg accaatgata tacaaggaa tataccatct tttttaccaa tataacccat 240
acggtgccgt ttgggatgtg agaatcgtgt ggggacactc cacgtcagtt gacttagtca 300
actggatttc acaacctcca gcttttaatc catctcagcc gtcaagatat caacggttgt 360
tggtcangct ccgtcacgat tctaccaaac ggnaaacctg tgatcctcta ca 412

<210> 571
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-A2

<400> 571

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aaataaggag gcaaaaatgt tcatatatga attggaatta ttgttttct tattaggcct 120
atcctgaagc caaaggaaat gagatcggaa ttctcgggg aattccaatt ccacattttc 180
aagaaataag gaggcaaaaa tgttcatata tgaattggaa ttatttggtt tcttattagg 240
cctatcctga agccaaagga aatgagatcg gaattcctcg gggaattcca attccacatt 300
ttcaagaaat aaggaggcaa aaatgttcat atatgaattg gaattatttg ttttcttatt 360
angcctatcc tgaagccaaa ggaaatgaga tngggnatc ctcgggggta ccgaactccg 420
aantcccnaa agtggagtcc gtattaaatt cgtaat 456

<110> Conner, Timothy W.
Ruan, Yijun G.

<120> Nucleic Acid Molecules and Other Molecules Associated with
Plants

<130> 38-21(15404)B

<160> 18718

<210> 1
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 1

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gatgagccat tatacgtgctc gttcctcaag tctacgggtg ttgatangcc ttacaaagat 180
gagcttctct ctaagatgga gtgtgatgga gaaaaggtgg tgaaggatat catttatggt 240
ccaggaaaga agaaatatan gttttgtaag catatatcga nacagcgact tcttggtttg 300
ccaantganc naatgagtga cgggaaacac tttatattga cacgcattcc cctcaacata 360
tngccttctt tngnaaaaaa tacaacnttc aacatttcaa caaattggna 410

<210> 2
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-08-Q1-B1-E9

<400> 2

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atacgaagag aagcttcggc gtgggaatct tgattatgat ccgactatga atcctggtct 120
tggttctgct cgggtgcttc gttgtctttc tctcttaaac cctaattcag agaaaggaga 180
gtggacgata actccagttt tacacgatgc tgctgcagtg gctgggttctg gtattggtgg 240
cttgcttagt gccgtccatg ctttcaatac agggatcccc tatcttcaaa atcgggttttc 300

<210> 574
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-B6

 <400> 574

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 cgatattctc atcggttacga cggaggagat cgccgtcttt ggaagcattc ttagcccccg 120
 ttgacctttc cggcgtcgca cttgttcaaa ccctagcttc aatctcttcg gaggttggtt 180
 cttgtttcac ctctgttcga ttctcgtttc aacgcaagaa cgctcgttct ttgattcgta 240
 agatcgagat ctttgtcgta ttattcgaat ttctcgtaga ttcaaattgg ggctnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntctgt ttctgaatca acagctttgc 360
 tttgtctcaa agagctttan cttcctctct atcgttccaa gatccttggt gat 413

<210> 575
 <211> 67
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-C10

 <400> 575

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 nnnnnnnn 67

<210> 576
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-C3

 <400> 576

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cctgaagcca aaggaaatga gatcggaatt cctcggggaa ttccaattcc acattttcaa 180
gaaataagga ggcaaaaatg ttcatatatg aattggaatt atttgttttc ttattangcc 240
tattcctgaag ccaaaggaaa tgagatcgga attcctcggg gaattccaat tccacatttt 300
caagaaataa ggaggcaaaa atgttcatat atgaattgga attatttgtt ttcttattag 360
ggcctatcct gaagccaaan gaaatgagat nggaattcct cgggggtanc 410

<210> 577
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-12-Q1-B1-C4
<400> 577

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agggatcgtg gttcaagctt tgggtggtcgt tcaggcggtg gtggttatgg tggcagcagt 180
ggtggttatg gtggtgggag ttcaggcgga tcaagcaacc gttattctgg tgattctgac 240
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tctcagtcag gtggaaggag cagctttggt ggggtggtcgt tcaagcggat catcaaacia 360
tcgttcctct gggttcgggg actttggctc tgaccgttcc ttctcagtca ggcgga 416

<210> 578
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-C6
<400> 578

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catttcgaca cggttcgggag aatctctgga tggaatcatc acgacttaac tatgacgtca 180
tcattcctcat cagaacatca acaacaagaa caagaagaaa gngngtaatg tggtttcatg 240

gngannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nagtggttcn tgggtgggcaa caacaacaac aacaaagggg tnccttcag 360
 tccaatttaa tcccnattcg tttcggttct tgggattatc aacaaacgaa gtcgggt 417

<210> 579
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-D1
 <400> 579

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 ctttccacag cggagccaag cagagcagct tcggcgctgt cagagtcggc cagaaaactc 180
 agttcgtcgt cgtttctcaa cgcaagaagt cgttgatcta cncgcgtaaa ggtgacggca 240
 acatcctcga tgacctcaac gangccacaa agaaagcttc agatttcgtg acggataaaa 300
 canangaggc attagnanat ggtgaagaaa ncgaaagact atcggttggtg aagaanacan 360
 ntgnaaccgc agatncattg ggtnaagaaa gcttaagaaa agctgcgggn tatg 414

<210> 580
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-D10
 <400> 580

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 acatcaaaga agacacatac ttcgtctcag aactcaaacc cacggagcaa aaatcacttc 180
 aagaactcaa agaaaagctc tcagcttcat cctccaaagc ttcttcaatg tggggagtct 240
 cactcctcgg tggagacgac aaagctgacg taatcctcct caagttcctc aagagcaaga 300
 gatttcaaag tagcaagact cctttgagaa atggcttgag aaagtgtttg ggagttggag 360

aagaagagtt tcaaaagcaa gagaaaattg ncaagaanga agatttgggg gttttaaaag 420
gatttg 426

<210> 581
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-12-Q1-B1-D2
<400> 581

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ggacatgctc ttcattgtgt tgtcaatgggt cagctttcag gaactgctta tggaggactt 180
gaccacccaa aactaacctt tagccagaag atcaaactac atgcagggtg caacaagatt 240
gctcttctga gtgttgacgt ggggtctccg aacgttggta cacattttga acagtggaat 300
aaaggagttc ttgggtccgg tcacattgaa gggagtaaac tcaggaacat gggacatgct 360
gaaatggaaa tggctctata agattgggtg aaaggggtgag gctttgagtc tcata 415

<210> 582
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-D3
<400> 582

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gtggcgacat tcggtacctg atggatgatg ttcaagctct taaacctact gtgttttgcg 120
gtgttccacg agttttacgac aaactatatg ccggtataat gcaaaaaata tcagctagtg 180
gcttgatacg caagaaactg tttgattttg cttataacta caaattggga aatatgagaa 240
aaggattctc tcaagaagaa gcttctctc gtctagacag acttatgttc gataagataa 300
aagaagcatt aggaggaaga gctcatatgt tgttatcaag gagcancgcc tctacctcgt 360
catgtanang agttcttgag aatcantcct gcctccta ctctctcaa gggatggat 420

tg

422

<210> 583
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-D4

<400> 583

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attcnaanatt ttcaagaaat aaggaggcaa aaatgttcat atatgaattg gaattatttg 120
ttttcttatt aggccatcc tgaagccaaa ggaaatgaga tcggaattcc tcggggaatt 180
ccaattccac attttcaaga aataaggagg caaaaatgtt catatatgaa ttggaattat 240
ttgttttctt attaggccta tctgaagcc aaaggaaatg agatcggaat tcctcgggga 300
attccaattc cacattttca agaaataagg aggcaaaaat gttcatatat gaattgggat 360
tatttgtttt cttattangc ctatcctgaa gccaaaggaa atgag 405

<210> 584
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-12-Q1-B1-D7

<400> 584

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gcttgcattht gctacggatt cttcttaatg ctcggaacag ttggcttccg cgcagccctc 120
ctctttgtcc gtcacattta cgggtcgatc aaatgcgagt aagaaggctc gtacaccaan 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagaacaaa 240
gaagataaag agataggttg ttagaaagaa gagagacaca nagacaatgt ctgattattht 300
tctaaagaag catctcttct cattagaggt ttancgaga agtctctctt cttctctctt 360
ttaatttggg gctacaagaa attaaaatta cttgtatcct ttccaataat agtttaac 418

<210> 585

<211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-12-Q1-B1-E4

 <400> 585

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tatgcagtat aaagcaacga ttggtgctga ttttgtaacc aaggagcttc agattgggga   120
aaagcttggt actttacaga tttgggatac tgctggacaa gagagattcc agagtcttgg   180
tgctgctttt tatagaggag ctgattgttg tgctttggtt tatgatgtta atgtgttgag   240
gtcttttgat aatctcgaaa cttggcatga ggagtttctt aaacaggcaa gtccatcaga   300
tccaaagaca tttccgttta tagtgcttgg aaacaagatt gacgtanatg ganggagcag   360
tagagtggnc tctgataaga aaagcagctg actgggtgtg cctcaaattg taacatancc   420
ctaattccg                                     429
  
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<210> 586
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABLI-12-Q1-B1-E5

 <400> 586

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agatcaaaag atgaacatcg ctcacactat cttcggcgtt ttcggaaatg caactgctct   120
gtttcttttc ttggctcctt cgataacatt caagagaatc atcaagaaca aatccactga   180
acaattctct ggtatccctt atccaatgac tctcctcaac tgtctcctct ctgcttggtg   240
tggacttccc tttgtgtcaa aagacaacac acttgtgagc acaatcaatg gcacaggagc   300
agtgatcgaa acagtctacg tgttaatctt tcttttctac gcaccaaaga aggagaaaaat   360
taagatcttt ggtatcttct cttgcgtttt gggctgtatt cgcaacagta gctctccgt   419
  
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<210> 587
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-A8

<400> 587

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atcttcttgc cgtcttcttc ttcatttcac caggaacttt tatttgaaat cggtttgatt  120
tagccatggc aaacgcggca tcgggaatgg ctgtgcatga tgattgcaag ctgaaattta  180
tggaactgaa ggcgaaaaga acattccgta ccatagtcta caagattgag gataagcaag  240
tgattgtaga gaaactcggg gaacctgaac aatcatatga tgacttttgc agctagtcct  300
tccaactgaa tgatggccga taattgcatt tacgaattcc aacttgnaa ctgcgggaga  360
actggccaaa aagaagcaag attcttcctt caattgcaag gggctctccg gacactggcc  420
aaaattgag                                     429
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<210> 588
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-A9

<400> 588

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cagaacttct agttaggtgg taccaagtgg gtgcttacta tccatttttc aggggtcatg  120
ctcatcacga taccaaaaga cgagagcctt gggtgttttg tgaacggaac acagaactca  180
tgagagatgc catacacact cgttacacac tgctccata cttctacacg ttgttcagag  240
aagcaaacgt tacgggtggt cctgttgtac gccattatg gatggaattc ccgcaagatg  300
aagctacttt tagcaacgat gaagccttca tggtcggtag tggctactg gttcaaggag  360
tttacaccaa gggaacaacg caagcttccg tgtanttgcc tggcaa                     406
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<210> 589
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-14-Q1-B1-B10

<400> 589

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acactctcac cgcantggcc gcctcgacaa nggntctctc ctctcctgct ttgaccggaa 120
aggncgttaa gctatccccg gcggntccg aagnatttgg aaccggccga atcancatgc 180
gcaaagcctc caagcccacc ggtccatccg gcancccatg ggacggatnc gaccgagtca 240
agtacttggg tccattctcc ggtgagcctc cgagctacct cactggagan ttccccggtg 300
attacgggtg ggacactgcc ggtctatccg ccgatnccga naccttcgct aggaaccgtg 360
agctanaant tatccacatc agntgggcca tgctcggagc cctaagggtgc gttttcctga 420
gctattggc 429

<210> 590

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-14-Q1-B1-B11

<400> 590

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aagagtcttg gcaaagggtt cgatttgacg gcggatttcc ggttgaaata ctgtaaagac 120
ggcgacggct ccgccggaga tgacagattg gttgtgcttg accaaactca aaacagagaa 180
ttgcatattc ctggtttcgg tgtttttcaa aatgtctccg ccgatataaa ctgcgacaaa 240
ggagaacgaa ctcgattccg ttccgacatt cttgacttca acaagatgtc ggagtatttt 300
aaccaagagg tcgtcgggtga ccggaaaaat accgtcggga aatttcaacg cgacgttcgg 360
gtttcaaagc gggatcatgg cgacagacgc cgcaaagcgtt aaatct 406

<210> 591

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 591

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 cttgccgata ttcggagtat attacaagg tcttaacgga tctctaaatc ttctgattta 120
 agaagatgct tcctctatcg ctgcttaaaa ctgctcaagg gcatectatg ctctgggagc 180
 ttaagaatgg agagacatac aatgggcatt tgggtgaattg tgatacttgg atgaacatcc 240
 atctgcgtga agtcatatgt acatcaaagg acggagatag attttgggag gatgccggaa 300
 tgttatatcc cgtggtaaca caatcaagta ccttccgagt tccgggatga ggtgattgat 360
 aaagtacaag gaggagaaag acacgccaca agatagaaaa ncaacaagggt ggttggacg 419

<210> 592
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-B9
 <400> 592

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 tttggatcat gatcctgctg cttctgctcg tatatacgaa ttcgggttgtt ttggcatcca 120
 atctgccaaa gttaacgact gggattgggtg cgcttgcatg gctgggattc attcttgcaa 180
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 atcctgcttt gcttgcgtggg aattggacac agctctgtgc aacatgcaag attatcagac 360
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<210> 593
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-C1
 <400> 593

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tgatgcgttc aatcgggtgaa aaaccgacaa aagctgatct tcaggacttg atgaacgaag 180
 cggatttaga tggatgatgga accatcgatt tccctgagtt cttgtgcgta atggctaaga 240
 atcaagggtca tgatcaagcg ccgcgtcaca ctaaaaaaac aatggcggat aagctcactg 300
 acgatnagat tacaagagta cagggaatcc ttcaagttat tccacaagaa tgggtgatgg 360
 gtccaatacg aaaaaagggc tccgttaccg tggagttttc cctccggaaa aaaacgg 417

<210> 594
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-C2
 <400> 594

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 agtcgaacca agttccgaca ttagaccgac gtaactcact aaaaaaatcg cctcctaagc 180
 ctttgaatcc aattgcatca aagataccct caccaagacc aattttctcta atctctcctc 240
 ctttgtctcc caacacaaaa tccttaagaa aaccggccgg ttcttgcaag gaacttctta 300
 ggtctaagct ctacaaaatc gaaaccagtg atatcaccaa gagaacagtg atgggggnta 360
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<210> 595
 <211> 417
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 atgtagttga tgctgcagat cctgacaacc taagtgtgtc gaaaagtga ctccatgatt 180
 tgttgagcaa gacttcgctt aatggtatcc ctcttctcgt tcttggaac aagattgaca 240

aacctggagc tctgtccaaa gaagccttaa cagacgaaat ggggacttac atcacttaca 300
 gatagagaan tctgctgttt catgatatca tgcaagaact ctaacaaaana ttgatnaagt 360
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<210> 596
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 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 596

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 taaaccggat ttgattgctc ccggagttaa catcctcgcc gcatggacag acgctgttgg 180
 acctacaggt ttgccgtcag atccaaggaa aacggaattc aacattctct ccggtacttc 240
 aatggcatgt cctcacgtta gtggtgcggc ggcgcttctc aaatccgctc atccagattg 300
 gagccctgcc gtgatacgat cggcaatgat gacaacgact aacctcgctg ataactctaa 360
 ccgctcgttg atcgatgaat ccaccgggaa atcgggtacg ccttaagatt 410

<210> 597
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-C6
 <400> 597

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 cttctgaaca aggaaatgga tcgaatcctt ccacgtcacc ggaggtagaa gggactaaaa 180
 caatccccct tcgccggaga ttgcaaagag gacaaagagt tttcgctcca aagctgatgg 240
 aggctctacg tcgatcaagg gtaagctctg aagaagctcc ggtaaggcat cttagtcgta 300
 gattggaaaa gccacaaacg cccaaaaagg tanattcccc taaagntcct angangcctc 360

6647330 "1696666"

cttcaacga tttgcgggcg gaaccgcaa canttccggg ggacaacggg ccgaacaaaa 420
ntcccttgcg aa 432

<210> 598
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-D2

<400> 598

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atccaaagga gttcacttat ctgggttactc tcctttgggt tcccaaagta agggagaagt 180
caggctaaag gttcttcaaa acccgattgt taccgagggt gctgagaaac ttggaaagac 240
caccgccccaa gtggctctcc gttggggact ccaaactggg tcatagtgtt ctacccaaaag 300
agctcgancg gggctcggct caagganaat cntgatgttt ttgactggtc caaaacggna 360
agattcggtt taacaaagtt cccaacaat cccaggaga agttttgccg anctactg 418

<210> 599
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-D3

<400> 599

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngag aatgtcttct acaacaatcg 120
gcgagcacat cagactccga cgagctagaa accaaacaat ccgtcatctc cacgccgccg 180
acgatgatcc gccgctaagc cacgtcggtc ttccgatttc acaacctaata cgcttctgta 240
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agaaaccgta ccaaacgtcg tcgtttcgag ggatgggttg ctatgccgca agcaagcaag 360
caagcaagct caagaggttt ctgttcctc cgtcattcgc tactccgcgg gatttgga 418

<210> 600
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
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 agctgtgtat tcctctgtca agggagctaa agttgtgaat gataggacta ctggacggtc 180
 caagggttat ggatttgtca ggtttgcgga tgaaagtga cagattcgtg ccatgactga 240
 aatgaatggt caatactgct catcaaggcc tatgcgtact ggtcctgctg ccaacaagaa 300
 gcctcttaca atgcaaccaa cttcaataac aaaaacactc caagggaant taaggngaaa 360
 attgttcaaa ctaacannaa caatttttgg ttggnaccct tttggtttta aaattgtaaa 420
 n 421

<210> 601
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-E11

<400> 601
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 tggtagcgag agtgctgatg tgtctttaca ccaattagct gatatccagc ccggggccatc 180
 catttttggt gatcaaatgg atactgaaga attcaaaaat cctgatgtgt ctttacacca 240
 attagctgat attgagccct cactgtctat ttcagctgtg caaaagaata ttgaggataa 300
 ggatcaaaagt cacgttgaaa ctgctggatc tgagttagtt gatgtctccg ccgaatgttc 360
 aacagaacct caagttcaat tacggcatcn tcaaagccaa tggga 405

<210> 602

<211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABLI-14-Q1-B1-E3

 <400> 602

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 agtagagatt caaacagttt cagggtttca aacaggataa cagggatata catgattaaa 180
 agtttgaaaa gggttacaaa acagaattag agagtaaaag cagagacact accgggatgc 240
 atagagaaga tacctccact tctcggtgag gtgaaaacag ttgaaaacgc cggaataaag 300
 tcactgggaa ctccatcttt gcccgttgtg taaagccatt tttgggaagg aactgttga 360
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 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-E5

 <400> 603

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 ttagaaaaatg ttattcacga ggagtgttgc tcggatttct tctaagtctt tgagaaaccg 180
 tagcttctat ggctcctctc aatctctcgc ctctcatcgg ttcgcaatca ttcccgatca 240
 gggtcactct tgttctgact ctccacacaa gggttacgtt tgcaagaaca acttattcat 300
 tgaaatctcc gggttttggg ggatttaagc aatcaactct atcaacanag taactccttg 360
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 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABLI-14-Q1-B1-F10

<400> 604

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aaagcagagt ggtgttggtta ccgtcagagt tggccggaag agtgagctcg tcgtcgttgc 180
tcagcgcaag aagtcgttga tatacgccgt taaaagtgcac ggcaacatcc tcgatgacct 240
caacgaagcc acaaagaaag cttctgattt cgtgacggat aagacgaagg aggccttggc 300
ggatggcgag aaaacaaaag actacattgt tggagaaaaa caattgaagn caaatgaaac 360
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<210> 605

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-14-Q1-B1-F11

<400> 605

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catatgagtt tgatcaatct cattcaatac aatggctgaa gaaaagatca agaagagctt 180
gcttgctgcg gacgacagcg acgatgagta ctcaagaggt gatacagttt cagatcagac 240
agaactgagt tcgattcttg ataaacttag tctagaacct aagacggaga aaaagaaact 300
cttggtcttg agtctaagtg gtctttcttct tcacagagtc cacaaaaaag agttgcgtaa 360
gaaacccaaa gaaccgctct cctggatgcc tcctgggtggg gcaaactctg 410

<210> 606

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABLI-14-Q1-B1-F2

<400> 606

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aagaagctag tcttgtacta caccgacaaac aaaactccga aaccaatcgc ttatttttgaa 120
 tacgaattct tcaccaagat aacacaattc cagtcaatga cgttccaagc tgtggaagat 180
 tccgacacaa cgtgggggtct agtcatggaa ggtgtcgatt ctgggttctaa attcaacggt 240
 tcaacgttcc tctcacggcc gaaacacaac gcgacgttga gttttattcg gttagaatca 300
 gacggaaaca tcagagtttg gagttacagt acgttgggcy acttcacggg ctgggacttg 360
 acatacaccg ggtttaacaa agccgacact gaagggtaac gaanaagtg 409

<210> 607
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 607

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 tcgatggcgt ctcccaaact ctcgacctta tccgttctaa gggtaaaaat gttgtctttg 180
 tgaccaacaa ttccgtaaaa tcgaggaggc aatacgtga aaagttccga tctttgggtg 240
 tcacttctat tactcaggat gagatcttct cttcgtcatt tgcggcagct atgtatctca 300
 aagtcaataa ctttcctaag gacaagaagg ttaagggtgaa ttgggtgaaa aggggtgtcct 360
 tgaaggagct gcaanattgc cggtttaaaa ggcttgggtg ggtcctgaan atgggtg 416

<210> 608
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-G10
 <400> 608

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 aattcggctc gagcgggtgtt atatcttctt gccttgaatg tttccttgcc ggaggtgatc 120
 tctatgtctt tgagtacagt gtttccctg ctatctttct tgccaaacct cgaggcggcg 180

tatgcactat agcatcttca gatcctccag aagaagtcac ctatcgagca aatcttctct 240
 tgcaaaatgg ttttggtgtg tacaatgtct tcaagaacaa ctgtgaagat tttgccatct 300
 attgcaaaac gggtttgcta gtggcaaaca ccgacgtggg aaggagtggc caagctgctt 360
 caattgttgc agctgccaaag tgttcttctt tcctcaccac tcangtttgc aacaagtttt 420
 ggggtggnntg gctgtggctg ggctaaggga tgtactgcaa caagtcnct ta 472

<210> 609
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-G11

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 gccttaagca cgtcagtact acgtgatatc atgaacaaa gctccatacc catcaaagta 180
 actccaaaac tgccaacaac agagaagaac ggaatgaata gtccgtccta tcgattcttc 240
 aacgccgcct caatagactg gaaagccgat atccaaaact gtttaaactg ggaagctcac 300
 agcttgctct ccacaactat gcctactcag tttctcgaca ctgaggctcg ggaactcggc 360
 tgtactanat ccttgtccca ataacgaaca ccacttttgg ttttgg 406

<210> 610
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-G2

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 agttcagaca ccgaatctag cgaatctgtc tctcaacgac tcgatctgga gcacaaactc 180
 tgtcttcaaa gagcgtcgaa acttagacat agccgccacc accgacaaga acaacaacca 240

gatcgactat tatcagaaga agacaacttc cgacaacatc aattccaact gggaactggg 300
aagtcttctg gttcaaaaca acgacatggg gttaaggatc cganctgtgg ggtcaaaatc 360
caacgtcgat ttaaacccaa tccgacaaat tcaactcaac cgttcaacga cacgtgggaa 420
aat 423

<210> 611
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-G5
<400> 611

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agagaacatg attctcatca ggtggaatct taaaggtgta cctagagtcc catggggaggc 180
aaagggagag tttcagggtg cttctcgtc taaactcgac cgaaatggca aaatctatga 240
gcataaggtc gataacttgg ccttcaactt ccctcaccaa gctcaaact gccacttctg 300
ttttgggata tgggtcaccg cttgccctgg caaagtccca aatccaaact ttcaatgttt 360
tgggcgccaa tgggattcat actcatcctt cnttgggant tgaagtttct acaaaagcaa 420
ttgcaaaagg gaca 434

<210> 612
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-14-Q1-B1-G7
<400> 612

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tcttcactca catctctgaa aaaatggcga gcaacatgga agttttctgc gagatcttaa 120
tcgcgatcct tcttccacct cttggagttt gtctcaaacg tggctgttgc actgtagagt 180
tcttgatttg cttggtgctg acaatcttag gatacatccc agggataatt tatgcactat 240

acgtgatcgt gtttcaaaac cgtgaaggct ctaccgaact tggagctcca cttaactcag 300
 cttgatctgt tttgggtccat tacacggatc aatatgttgt tgaaactggt ttacttatca 360
 tgtaccaaata aataagttgc tttgcaattt ttatgtattg aagatttgag 410

<210> 613
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-H10
 <400> 613

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 agttgagctc aagactcaga gggatattct tttgtgttgt tgctggcatt tcggctactt 180
 ttctcattgt cctgatgatt attgggcac cgttcgtcct tcncttcgat ccctatagga 240
 gaaaattcca ccacttcatt gctaaacttt gggcttccat aagcatttan ccgttttaca 300
 naatcancat cgagggtttg gagaatctgg catcatcang acactcctgc tgtatatgtt 360
 tcaaaccacc aaagtttctg gatatctaca cacttcttaa gtcttgggaa a 411

<210> 614
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-14-Q1-B1-H12
 <400> 614

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 attgctatgt tgcgtgtctc gtaccgagtt ctctgacaag aaagcatact tacgctggca 180
 gaaaaggcag ttaaacaatgt tagcagaggg gctcattaac aatccagttg ttggatttgg 240
 agaatcaggt cgtaaggcaa ctgacctgaa gagtcttctg ctaaggattg aagaatcaga 300
 gtctcttcca tctcagctg gagaagtgca aaagagcaga atgtttaaaa tctcttagag 360

aanttgctat ctcacttttgc tganaaaacc ggctcnttgg tgatttgacc ggttgaa 417

<210> 615
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-H3

<400> 615

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ccttagggta catgacacgg aaagatacag aagtcaagct tccaagacct actcgtgtca 180
agaacaaaac tccggcgccg attcaaataa ctgccgaaca gatattaaga gaagctcgag 240
agagacaaga agctgagatc cgtcctccca agcaaaaaat cactgattcc actgagcttt 300
ccgactacag actccgcccg gngaaaggaa tttgaanacc aagattcgtc gcgcgagatg 360
gaacattcaa gtttgggtca aatacgtcga atggggaaag agtcacaaga aagattacgc 420
tcgtgctcga aagttgtttt gggaaccaag ccatanaaag gnngattata gggaaccata 480
cgcttttgnt c 491

<210> 616
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-14-Q1-B1-H6

<400> 616

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tggacgtcga aacaacctgc ctgcgtccaaa cctcagaaga cgatgtaagg tcaccgcttc 180
acgggctaatt attgaacaag aaggtaacac agtgaaagaa cccattcaga atattaaagt 240
aaagggatac ataacggccc aagaagagtt tctggagggc ataacttggc ccaagaggtc 300
tcgatgacat tgctggatat ccgcggnan antaattgct ccgtcgagct tattancgcc 360

aangactgga ccaaacggga nttacgggta gaagantang ncanaachgt gttatggggc 420
ccaaagnccc ct 432

<210> 617
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-14-Q1-B1-H7
<400> 617

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ttggtttctt tgagagagta aaaatggcag atcgagtga gccagaagac gaactgtttc 180
ttgtcgcata cccgtatttt aatgtcaacg agatgcttgt agtgggaagag ctctacaagg 240
aagctgttgt gaacactgac cgaaaactaa tcatcttcaa tgggagaact tgaccgcata 300
cgatcgggggt tgtatccttt ttcttctcat aaatgaaaca aagtagattc ctttttccat 360
ttgcatcaca acttgagaac caaatgagaa agctgaatca agagagagag act 413

<210> 618
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-15-Q1-B1-A5
<400> 618

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tgatcataca gtattacaag gcatggacaa atcgagtggg ttggatttca tcaaccagat 180
gttcccagta gaagcttctc tatcttgtgt tgagtctttt atgcaaaaga tttgtgacga 240
gattcggcga gttgatgcta ccatttttagc tgttgttagt caacagggta actccggaac 300
tagagctaaa gaaaatctta atgatgcat atgtgctgcg gaggaactct ctcataagat 360
acaagagata aaatcaaaag ccgaacaaaa ccgaagcaat ggtccaagac atat 414

<210> 619

<211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-A7

 <400> 619

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 tactcatcaa agacgcaaag aacttcgagg gtcgtcctga caagtctgag agggaagcaa 180
 atgcctccgg cgccgccgcc aagtccggtc accccccgtc caagcgggtc ttcgtcggtg 240
 acttgagctt cgatgtcacc aaggaggccc tcgaggaaaa tttcagcaag tgtggaacag 300
 tcaacaacgt gcatatgggt accttccang acacaggaaa atgcaaggga tatgcttggg 360
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<210> 620
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-A8

 <400> 620

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 agttcagttg gagaagagct cttctatcgt gctgcgtttc aggggtgcact agctgatata 180
 ttcctaaggg gcacagatct tatctcggat tctcgaggaa tggttgcttt gactggactc 240
 ttgccaccat ttgtaccatt tgctcaaagt atttgcanc ctaataaaaa gccgctctca 300
 cnggntcccc caacnacata gctgcttccc ctaaagatcc aacttanata annggaaccg 360
 ggtcttgaaa actcncctctg cccgaaaaca acctgaanaa tttgtttgca ccgtgggatn 420
 ac 422

<210> 621
 <211> 201
 <212> DNA

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 caattccaca ttttcaagaa ataaggaggc aaaaatgttc atatatgaat tggaattatt 240
 tgttttctta ttaggcctat cctgaagcca aaggaaatga gatcggaatt cctcggggaa 300
 ttccaattcc acattttcaa gaaataagga ggcaaaaatg ttcatatatg aattggaatt 360
 atttgttttc ttattangcc tatectgaag ccaaagggaa tgagatcgga atccccnggg 420
 gtaacg 426

<210> 624
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 624

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 ttctctcttt atcctctccg cttggcaa atgtcaatgat ggtggtcctg cagctaaaga 180
 attggctcca aagcttgatt tgggtaaggc acatttatct tctagattag gagtaacatt 240
 gcccaaaata gaggtgagac aagtcgttgc tactattatt gccctgaaag gagtcggagg 300
 cttactcttt gttatcgga acaccttccg gtgcttatcc ttctggcttc ctactttggg 360
 ggtttttcgg tccctaattc tctatgaat ttctacaaac taacggacct caaggaacgt 420
 taattttctc etc 433

<210> 625
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-B9
 <400> 625

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tatgtttctcc tccaccgctg tgggttanctc cccgggtcaa gccaccatgg tcgctccatt 180
 caccggcttg aagtcacccg cttcttttccc ggtcacccgc aaggccaaca acgacattac 240
 ttccatcaca agcaacggag gaanagttag ctgcatgaag gtgtggccac caatcggaaa 300
 gaanaagttt gagactctan cttacctccc tgaccttagt gacgttgaat tggctaanga 360
 agttgactac cttctccgca acaagtggat tccttgtgtt gaattcnaat tggnnacacgg 420
 gtttgtgtac cgtnagcang aaacactccc ggatattaat gatggacgat aacggntcaa 480
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<210> 626
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-C10

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 cctccgcccg tatggctaata ggaaattgtc cggcgatgcc ggtgttaaag ccaatgcaca 420
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<210> 627
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-15-Q1-B1-C11

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gcacaaagtg tatcgccgaa gacatcaaaa gcaattcaat gactgttggg aaatacaaca 180
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tctcggctgt tgaagcaagg tgattacatg ggctgggttca ctgctgttga tnaaaagccc 360
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<210> 628
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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cagcctgggc accaaatgtg ggcgtttaat ccagggaatt atccagttgg gacaggacga 300
gtagtaactg caccaatggg gtcaatgatg ttgggaggtc aacagctagg attaggagtg 360
gcagagggca acatggcggc tgcaatgcct ggcaattana agcgatgggt tgggccatga 420
c 421

<210> 629
<211> 380
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-15-Q1-B1-D1
<400> 629

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaaccaag 180
 cctcctccgt ccaccctaa acctcccacc aaacctcccc cgtccacacc taaacctccc 240
 acgacnaagc ctctccgtc tactccgaaa caaccacca cangcctccg gctacaacat 300
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<210> 630
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: ARABLI-15-Q1-B1-D10
 <400> 630

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 taaccaccgg cgctgaccaa aaagtaatcg attctcttcc cgagctgatc tctcaggtgt 120
 cttgaatctg aatctgtggc tatatttggg gctcgggtgt gagcaggaag ggagggggat 180
 attgtcaggg ttttaagtga cgtcagatga atagagcaac taatgttact ggcagtagaa 240
 ggaggggggt tattctcagc gtccgcgtct gggatatagta agggattgac cttcttttcc 300
 tctgggtga aagacgtana taggcccatt agagttgtcc cgtggaatca ctaccangtg 360
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 631

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gtacggccaa gatccgtcac gatccccatc aagtttcgcc acgtcttcat caccggtgga 180
tcaagcggnat tccgtctcgc tctcgtcan cgtgccgtct ccgaaggcgc taaagtctcc 240
atcctcgtc gttcaactga aaagctcgcc gaagccaaac gatccatcca agctagctac 300
cgggtgctgag gtcgccacgt tctctcgga cgttcgcat tatacgccgt ttcgaaagcn 360
attgatgaat cgggaccgat tgangtggtg antgntaatc aangngtggt taatgggaaa 420
gagcttnaaa aacaangtcc tgaangaagg taaatttatg 460

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<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 632

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ggtgtaaaaa gacacagtac canaaggctt gcattacgtt ctgcaacaaa tgctgcagga 180
agtgtctctg tgtgcctcgg gggtactatg ggaacaaaca angtttgctc ctgctacaac 240
aactggaaaa ctcaagaggg tggaccaaaa tgcccttgaa aaaatctcnc ttcgntcccn 300
ttttanaata aaanttttca actatnacta aatttccttt gatnaatggt ttatntactn 360
aatcctaang ttgtnatggt angtcactcn gtttcggat ttgatccaaa tccctaaaaa 420
a 421

<210> 633
<211> 383
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-D6
<400> 633

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gttgtccggt ggaggaagtg gctcttggtg tgccctgagac ggatgatcca agcctaccgg 120

tgatgacatt cagagcttgg ttcttgggtc tgacctcttg tgttctgctc atctttctca 180
acacgttctt cacataccgt acgcagccac tcaccatctc agccatcctc atgcagatcg 240
ctgttttggc catcggaag ttcatggctc ggactcttcc caccacttct cacaaccttc 300
ttgggtggag ttttaacctc aatcctgggtc cttttaacat caangnacat gtcaattaac 360
anncatectt tggcaaattg ggg 383

<210> 634
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-E1
<400> 634

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caaccaagtg catgtctcta aacccatctc ctctaaact ccaaaaccaa accaaatcca 120
aaccattcat ctccctacca accccaccaa aaccaaactg ctctctcgcc gtcacaagca 180
ccgccttanc cggagccgtc ttctcttccc tcagctactc tgagccaagc tttagccatc 240
caaacagatc gctcagctcg ctgcaagcaa acgccagtag cgacaaccgt ggcttagctc 300
ttctccttcc catcgtecca gccattgcat ggggtcctta aacatcctcc aancaagctn 360
tttaccaagt tcaacaaaga atgcnttgag aattaaangg tancctttgt tgggccaang 420
naattggngg ggngggcctt ggcaccgtc 449

<210> 635
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-E2
<400> 635

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gcgattacgt cgatgtgaag gtgaatggtg cgatccacaa gggatatgcct cacaagttct 180

accatggtcg tactggtcgt atctggaacg tcaccaagcg cgccgtcggt gttgaagtca 240
 acaaacagat tgggaacagg atcataagga agaggattca tgttcgtgtg gagcatgtgc 300
 agcagtcaag atgtgccnan gaattcaaag ctgaggaaag aaagaaaaac gatgaactca 360
 aaggctgcaa nccaaaagcc aattggtgag aacatcanca accaaagnga ncaacctaaa 420
 agggncccaa accaaggttt cagggnccaa gggaa 455

<210> 636
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 636

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 cgctcccgat ggttcgacg acctctcaat catccccatt aacgccaaat gtcacacttt 180
 cgcaccact caggtctctg cctccgtgat agacacgggc cttcacatgg cctcctcaga 240
 ctcccatcga ctcacctacc tctcaagcct cgtcgccggc aaacccaaaac ccacctccgt 300
 ccccgctgcc tccggtaatc aagctccaca tcggaaacta cgtgggtccga gccaaaactc 360
 ggnactcctc canaagctaa tggttcaagg gcctaanaaa caagttaacg angccgtttt 420
 gggtccttg ccccnngg 437

<210> 637
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-F1
 <400> 637

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 tgcattgatt gaatatgcac gtttaactgg aaagccattt agggttttta gtttagatac 180

aggagatta aaccctgaaa cgtacaggct ctttgacgca gtcgagaagc agtacgggat 240
tcgaattgag tacatgtttc ctgatgcagt tgagggttcaa gctttaagtg aggaacaaag 300
ggtttgttct cattctaaga agatgggtca tcaaagagtg ttgcccgtgt gaaggaaagt 360
tagacctttg cgtcctgccc ctaangggcn ttaaagcntn gnttacaagg gcaaaaangga 420
aaaaaccaat cncccgg 437

<210> 638
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-F2
<400> 638

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ttgtatcctc cggccatgta ttcaatggga ttgaaaccgc cgatgctcaa ggccacgcca 120
ccgtcttcgt cgctaaattc ttcggcctg ctggtctcat gtcctttatc tccgctgttc 180
cggattctca acgtcctgct ttgtttcagt cgttgctcta cgaagcttgt ggaagaactg 240
tcaatccagt taacggagca atcggaatgt tatggactgg aaactggaat atctgtcaag 300
cggctgttga aacagtgctt cgcggggggt ctttaagacc gattccggag cntctcaatc 360
acggggggggg tttccccggg ttttccttgg ccaaaattta anaaac 406

<210> 639
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-F4
<400> 639

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attccaattc cacattttca agaaataagg aggcaaaaat gttcatatat gaattggaat 120
tatttgtttt cttattaggc ctatcctgaa gccaaaggaa atgagatcgg aattcctcgg 180
ggaattccaa ttccacattt tcaagaaata aggaggcaaa aatgttcata tatgaattgg 240

ggcttccaga aaacagtaat gctgagagag ttcggaatt tatcaaaaat gtgtatgtgc 300
 aaaagaaata tgcaggcgca aatgatgcgg gcaagccctt cgaaaagata ncaggacaag 360
 ttaagttctg aagatatgac acnacgggca aantcctaac aatcctaata ccaaagnctt 420
 c 421

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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-G3
 <400> 642

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 agtatctcgc gaggttttac atagatttct ccattatgga ttcgatgatg aatcagaaga 120
 ctgttttggc tgtgacggat gatgtggtgt tacctgttag ctctgtttta gctataatga 180
 aagagcttgg aaaggaagtg attgagagtt ttgatectct gattattact caagcatcca 240
 caataaatca gtttcctttg gatgetteet ctgtggaggc ggtattancc atttccaaaa 300
 catctgattt cccaaagtga taaaatatgt ggtgaattct caagaaacct tgaaacctgg 360
 cggcacgggt ttcggtgtgc aaanttttgg angggttaaa acggg 405

<210> 643
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-G4
 <400> 643

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 ctctctttat cctctccgtt tggcaaagt tcaatgatgg tggctcctgca gctaaagaat 180
 tggctccaaa gcttgatttg gttaaggcac atttatcttc tagattagga gtaacattgc 240
 ccaaaataga ggtgagacaa gtcgttgcta ctattattgc cctgaaagga gtcggaggct 300

tactctttgt tatcggaac accttcggtg cttancttcc ggcttcctac tgggtggtttt 360
 cggtcctaataat ccnaagaat tccaaaacta nngncctcaa gggangtnaa ttncctccct 420
 ccggttaaaa aatttctgg 439

<210> 644
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 644

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 tcagtgtttt tgtttcgaac tcttccaaca tgcagaagga aattgctggt gatgctccat 120
 cagcaccaac cactcgtggt cggcatcgga agcgaaacag cgatgttggt gcaggggcag 180
 gcaaaccaaa tggaaaccat ttacttgtca atgacagcaa aaaatacaaaa tcgtttctca 240
 ttcgagcata ctccactttc tggatgatag gtgggtttgc tcttatagtt tacctgggtc 300
 atctctacat tacagccatg gtgggttgta ttcagatatt catggnacga gaacttttta 360
 atttctgag aaaaactcat gnagatnaan aaatccngg gtttnaan nagnгааatt 420
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<210> 645
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABLI-17-Q1-B1-G7
 <400> 645

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 agaggtggag gtggcgccg aggatctgaa agaccaagaa ctgctcctcc agatttgcct 180
 tctttgctat tggatgctc catatgctac cttggcatgc caatcgtacc tgcagttact 240
 gaggttactcg ttgctcaatt tatgtgggta gactatgata acccaacaaa gcccatctac 300

ttatatataa attcaccggg gaccagaat gagaagatgg aaactgttgg atnagaaaca 360
gaggnnttatg ccataaccca tacnaattcc taatgccaat 400

<210> 646
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-H1

<400> 646

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gagagaaaaa attgaatatt aatgatatat tattccaatt tggaaagtct atgaggtcac 120
tgtaagaaaa gcaatgtaat aaagcatcaa tacagattca ttcagaataa ttagataaat 180
ctgttccgaa aacaaaaaaa atttaagagc cttgagccaa taaaaactaa gaaaattgac 240
tcaaaaacaa ataaaaaaaa tgaaattccc gatttcatat aagagctcca ttgtagaatt 300
cgggcctaatt gattaatcaa gaagcgatgg gaacgacggg aaccatgaat atagagggat 360
ccaattggaa aattaatcta anaantcaat tgggcaangg ttgnnggata aaccannnt 420
tattaccaat cctaatttt 439

<210> 647
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-H4

<400> 647

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aggctgcggt ttccctgagc tattggctag gaacggagtg aanttcggag aagcggtttg 180
gttcaaggct gggtcacaga tcttcagcga cggangattg gactacttgg gcaacccgag 240
cttgggtccac gctcagagca tcttaaccat ttgggtact caagttatcc tcatgggaac 300
tgttgaaggc tacaaantcc cccggagatn gtccaattgg gagaaagcag aggacttgcc 360

ttaaccaagt tgggagcttc nacccaattg ggcctcgcta acggaccccc aagggnttcc 420
ccggatttaa aggtaang 438

<210> 648
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABLI-17-Q1-B1-H5

<400> 648

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tggagccaac atgctctccg acggatacaa tgttggcggtt ggggttggtg ctgagattat 180
cggcactttt gtcctcgtct acaccgtctt ctccgctacc gaccctaagc gaaatgcccg 240
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tttagccaca attccaatta ctgggcaccg gaataaaccc ggctangagt tttgganctg 360
ccgtcatcca naacaatcaa a 381

<210> 649
<211> 155
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-032-Q1-E1-D10

<400> 649

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aacagaacag agaaagtaaa atcaggaggg aaactagcgc cacagagtaa ttcaagtttc 120
atgaacaatg gagaagacaa gcacaacctt caaaa 155

<210> 650
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-032-Q1-E1-F7

<400> 650

<210> 653
 <211> 314
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-032-Q1-B1-D10

 <400> 653

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 tcatgaactt gggttgtgcc actggtcacc caagtttcgt gatgtcgtgc acgttcacca 180
 accaggtgat tgcccagctc gagctctgga acgacaaagc aagcggatag taccagaaga 240
 aggtgtacgt tcttccccag cattttgatg acaagggttg attagtctca cttgggcaag 300
 cttggagcca ggcg 314

<210> 654
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A3

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 agagagagag agtcgacaaa gcggttcagg ttcggatcta cttgtggttt tgtgttgggt 240
 tgtggtggga gagtgaaca gtttgagata ttggtcttct gatgaagttg accaaatatc 300
 agtattaata agggttattg gcttttgaag gttgtgcttg ttttctccat ttttcaagan 360
 acttaaatt 368

<210> 655
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-021-Q1-B1-H2

<400> 655

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agctgatata tttgtcacca ccaccggtaa caaagacatc atcatggtcg accacatgac 300
gaagatgaag aacaacgcta ttgtgtgcaa cattggtcac ttgacaatg agattgacat 360
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<210> 656

<211> 378

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-06-Q1-B1-C9

<400> 656

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gatgttggaagg ggtttgtgc tgctgccatg aagactgctg gtgctagagt cattgtgact 180
gagattgata ccatctgtgc ccttcaagct ttgatggaag gacttcaggt tcttaccctt 240
gaggatgttg tctcagaagc tgatatcttt gtcaccacca ccggaacaa agacatcatc 300
atggtcgacc acatgaggaa gatgaagaac aacgctattg tgtgcaacat tggtcacttt 360
gacaatgaga ttgacatg 378

<210> 657

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-032-Q1-B1-F7

<400> 657

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aggtgagact cttcaggagt actggtggtg taccgagcgt gctctagatt ggggtccagg 120
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 tgttaaagct gaggagatct ttgagaagac tgggtcaagtt cctgataccta cttctactga 240
 taaccttgag ttccagatcg tgttgtctat tatcaaggaa ggtcttcaag ttgatacctaa 300
 gaagtaccac aagatgaagg agagacttgt tgggtgtctct gaggaaacta ccactgggtgt 360
 taagaggctt taccagatgc agcaaatgg aactcttttg 400

<210> 658
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-01-Q1-B2-G6

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 cccagagacc aaggctggaa tcattgtctt ggctgaggggt cgtctgatga acttgggttg 180
 tgccactgggt caccgaagtt tcgtgatgtc ttgctctttc accaaccagg tgattgcccc 240
 gctcgagctc tggaacgaga aagcaagcgg aaagtacgag aagaagggtg acgttcttcc 300
 caagcatttg gatgagaagg ttgcattact tcacttgggc aagcttggag ccaggcttac 360
 aaagctgtca aaggaccaat ctgactacgt cagcattcca attgaggg 408

<210> 659
 <211> 373
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-023-Q1-B1-D2

<400> 659
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 gaaggacgag gctcttttct ctgccaatgc tgcggctttg gcttcaagga gatcttcccc 120
 aagagtcacc aacgaggggtg tccagaaggc tgctgctgct ttgaagggtat ctgaccaccg 180
 tcgtgcaacc aatgttagtg ctaggctaga tgctcagcag aagaagctca atctcccaat 240

cctaccaacc acaaccattg gatccttccc acagactgta aagctcagga gagttcgtcg 300
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 cacaaaaattt gtt 373

<210> 660
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-14-Q1-B1-H1
 <400> 660

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 ccaggcacga aacctgttac cagatcgctt tggccatcaa ggacgaagtc gaggatcttg 180
 agaaagggtgg aatcgggtgct attcagattg atgaggctgc acttagagaa ggactaccac 240
 tcaggaaaatc cgagcatgct ttctacttgg actgggcccgt tcactccttc agaataacca 300
 actgggtgagt ccaagacagc aaccagattc acaatcaaat gtgctactcc cacttcaaag 360
 acatcataca ctccatcatc gaca 384

<210> 661
 <211> 243
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-027-Q1-B1-G5
 <400> 661

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 ggaattttatt tccggccttt tcttgttgg gttaccagtt ttctaatgt taatcccttt 180
 catcccttgg gttatccagg gacaaaaattt ttcttggttt aaatttttta cccgtcgcaa 240
 ttt 243

<210> 662
 <211> 223
 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-025-Q1-B1-A12
 <400> 662
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 ttcttttccc tgtaaagatt ggttttactg cttgcattca tcgtcgtcgg tggctgtttc 180
 gtgtgtgcaa ttgttagccg ctcattgttg gatacagtca ttt 223

<210> 663
 <211> 342
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-028-Q1-B1-C12

<400> 663
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 ctctctctga gtgtcaagtc tgtgaagtac actcgcgggt ccttctctctg ccccgagggc 120
 cagccttttc ctcaccgcag cttctctgaa gaagtctctg ttcttgatgg gcactttact 180
 catctgggct tgcagagcgt agcctacatg atgggcaatg atgatgatag taacaattgg 240
 catgtctatg ctgcctctgc cgatgactct agcaagtgca acaacaatgt ctatacactc 300
 gacatgtgca tgactggact ggacagacag aaagctgctg tc 342

<210> 664
 <211> 297
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-028-Q1-B1-A2

<400> 664
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 aaggggtttc tggaaacaag gagttcataa ttcgcgatct tgatctatcg atcttcattt 180
 atatataaaa gcgtgaatga gattatgatg gagtcgaaag gtggtaaaaa gaagtcacgc 240

agtagtagtt ccttatttta cgaagctcnc ctcggttaca gcattgaaga cgttcgt 297

<210> 665
 <211> 342
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-022-Q1-B1-D5
 <400> 665

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 ctctaggaga agagagtgga acagtgatgt atcagacggt tgagaagcgt ggtaagtact 120
 gtggatcgcc tagatctacc ttgaagtgtg aatggagcag caacaatagc tgcagcagcg 180
 aggacgagaa ggacgaggga atctagcaga atttttcttc ctaataacta ttttcgagct 240
 ttctgttttt gttctttctt tttaaaaaac ttattaagtt cttatgaata atgacttggt 300
 aagtttgagt tcgtctcctt cacaagcaag ttgtattggt gt 342

<210> 666
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-14-Q1-B1-C3
 <400> 666

atcctgagta ccagcgtgca ccgatcttca taatatagtt atagctttct ttactttcca 60
 gtttataatt ttctttcttc aaagctcctt ttctgctggt tcccggatcc aatcggtctc 120
 tcctctact acaagtcttg tcgtcacac aacaaggcga gatggcctta tctgcaatcg 180
 gtttcgaagg ttacgagaaa cggtcagagg tgactttctt tgagccaagc atctttcaag 240
 actccaaggg actgggactc cgtgctctga ccaagtccca gcttgatgaa attcttacac 300
 ctgctgcatt cagcatggtt tcattctctt ccaacgatca attggactct tacgtactct 360
 ctgagtcag cttctttgtc taccctaca aagtcacat caagac 406

<210> 667
 <211> 236
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABLI-10-Q1-B1-F5

<400> 667

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aatgatgaca attaaccttg acctaaagag aggaggaaac ggaaggttct tgaaaactga 120
ggtttgtccc aactgtgtga catgcctacc tcacatcacc tgtgaagtcg gcatcccact 180
caagtgcggg acaccgcagg cttaaattta cctactctgt ttctgtcttc attcca 236

<210> 668

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-09-Q1-B1-C5

<400> 668

ctcttttaac acttggttctt ttaaggcaaa aaggctcgag ccacagagat ctgagtttct 60
cttcttcgag atctgatcgc cgaatctcag aatctcccat cgaagcagaa tggagacttt 120
tctattcaca tctgagtctg taaacgaggg acaccagac aagctctgtg accagatctc 180
tgatgcagtc ctgatgcct gccttgaaca agaccctgac agcaaagttg cttgtgagac 240
atgcaccaag accaacaatgg tcatggtctt tggtgagatc actaccaagg ctactgttga 300
ctacgagaag attgtccgtg acacctgtcg cgccattgga attgtctctg aagatgttgg 360
tcttgatgct gacaaatgca aagtcctagt caacattgag caacag 406

<210> 669

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABLI-11-Q1-B1-F10

<400> 669

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cttcttcgag atctgatcgc cgaatctcat aatctcccat cgaagcagaa tggagacttt 120
tctattcaca tctgagtctg taaacgaggg acaccagac aagctctgtg accagatctc 180
tgatgcagtc ctgatgcct gccttgaaca agaccctgac agcaaagttg cttgtgagac 240

atgcaccaag accaacaatgg tcatgggtctt tgggtgagatc actaccaagg ctactgttga 300
ctacgagaag attgtccgtg acacctgtcg cgccattgga tttgtctctg atgaagttgg 360
tcttgatgct gacaaatgca aagtcctagt caacattga 399

<210> 670
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-023-Q1-B1-E9

<400> 670

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gccattggag tccctgagcc attgtctgtc tttgtggaca cttatgagac tggattgatt 120
ccagacaagg agatactaaa gattgtgaag gagagcttcg acttcagacc aggaatgatg 180
acaattaacc ttgacctaaa gagaggagga aacggaaggt tcttgaaaac tgcggccttac 240
ggacactttg gaagagacga ccctgacttc acctgngaag tcgtcaagcc actcaagtgg 300
gacanacctc aagcttaaat ttttactact ctgtttccgt cntcaatcca caaaccaatt 360
atctgggtcaa ttttttaatt ccccgttttt ggggggtaat gggttt 406

<210> 671
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-02-Q1-B1-F10

<400> 671

ctttagetca accttcatta ctaatctcct ttttaaggttt ctttcgtgaa tcagatcgga 60
aaaatggaat cttttttgtt cacatctgaa tccgtcaacg agggacatcc cgacaagctt 120
tgtgatcaga tctccgacgc tatectcgat gcttgccctg aacaagaccc tgagagcaaa 180
gttgcttgtg agacttgtac caagactaac atgggtcatgg tttttggaga aatcaccacc 240
aaggctaacg ttgattacga gcagattgtt cgtaaaacat gccgtgagat tggattcgtc 300
tctgctgacg ttgggtctaga tgctgacaat tgcaagggtc tgggtaacat tgagcaacag 360

agtcttgaca ttgcacaagg tgttcattggt catctcac

398

<210> 672

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-01-Q1-B2-F4

<400> 672

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aaaatggaat cttttttggt cacatctgaa tccgtcaacg agggacatcc cgacaagctt 120
tgtgatcaga tctccgacgc tatectcgat gcttgccctg aacaagaccc tgagagcaaa 180
gttgcttggt agacttgtag caagactaac atgggtcatgg tttttggaga aatcaccacc 240
aaggctaacg ttgattacga gcagattggt cgtaaaacat gccgtgagat tggattcgtc 300
tctgctgacg ttgggtctaga tgctgacaat tgcaagggtc tgggttaacat tgagcaacag 360
agtcttgaca ttgcacaagg tgttcattggt catctcacca agaag 405

<210> 673

<211> 381

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-024-Q1-B1-G8

<400> 673

gctaaaactca ctgaagttcg caagaatgga acttgccctt gggtgaggcc agatggtaag 60
actcaagtca ctattgagta catcaacgaa agcggagcca tggttcctgt acgtgtccac 120
actgtttctca tctcaacaca gcatgacgag actgtgacta acgatgagat cgcagctgat 180
cttaaggagc atgtgatcaa gccagtgatc ccagagaaat accttgatga gaaaaccatc 240
ttccatctca acccatctgg tcgtttttggt atcggagggtc ctcatggaga tgcagggtt 300
accggccgta agatcatcat cgatacttat ggtgggtggg gtgcacacgg aggtggtgct 360
ttctctggaa aggacccaac c 381

<210> 674

<211> 357

<212> DNA

agatccgtac tttgtgataa acttttctcaa ggggtgagaaa aagaagaaga aggtgagaca 180
 tgtgaaggca aggctttgag gatgtctttt acaggaactc aacagaaatg caaggcttgt 240
 gagaagactg tttatgctgt tgagcttctc tctgctgatg gagttggata tcacaagtct 300
 tgcttcaa at gcactcactg caaaagcagg cttcagctga gtagttactc atcaatggca 360
 ggtgtattgt cctgtaagcc tcattttgag cagctcttta atgagagtgg cagtttcaac 420
 aacaact 427

<210> 677
 <211> 286
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-029-Q1-B1-C2

<400> 677
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 gaagaagggtg agaaaagtga aggcaaggct ttgaggatgt cttttacagg aactcaacag 120
 aaatgcaagg cttgtgagaa gactgtttat gctgttgagc ttctctctgc tgatggagtt 180
 ggatatcaca agtcttgctt caaatgcact cactgcaaaa gcaggcttca gctgagtagt 240
 tactcatcaa tggaagggtgt tttgtactgt aaacctcatt ttgagc 286

<210> 678
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-022-Q1-B1-H10

<400> 678
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 tcaatggctg ataggatcaa aggtccatgg agtcctgaag aagacgagca gcttcgtagg 120
 cttgttggtta aatacgggtcc aagaaactgg acagtgatta gcaaacttat tcccggtaga 180
 tcggggaaat cgtgtcgttt acggtggtgc aaccagcttt cgccgcaagt tgagcatcgg 240
 ccgttttcgg ctgaggaaga cgagacgac gcacgtgctc acgctcagtt cggtaataaa 300
 tgggcgacga ttgctcgtct tctcaacgggt cgtacggaca acgccgtgaa gaatcactgg 360

aactcgacgc tcaagaggaa atgcggcggg tacgaccatc ggggtta

407

<210> 679

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-022-Q1-B1-D1

<400> 679

accaaaatca ctaaagagga gaagattgct aaagtttgat aaaacattcc aaaatcaatg 60

gctgatagga tcaaaggtcc atggagtcct gaagaagacg agcagcttcg taggcttggt 120

gttaaatacg gtccaagaaa ctggacagtg attagcaaatt ctattcccgg tagatcgggg 180

aaatcggtgc gtttacggtg gtgcaaccag ctttcgccgc aagttgagca tcggccggtt 240

tcggctgagg aagacgagac gatcgcacgt gtcacgctc agttcggtaa taaatgggcg 300

acgattgctc gtcttctcaa cggtcgtacg gacaacgccg tgaagaatca ctggaactcg 360

acgctcaaga agaaatgcgg cggttacgaa catcgggggtt a 401

<210> 680

<211> 365

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-019-Q1-B1-G3

<400> 680

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ataggatcaa aggtccatgg agtcctgaag aagacgagca gtttcgtagg cttgttggtta 120

aatacgggtcc aagaaaactgg acagtgatta gcaaatttat tcccggtaga tcgggggaaat 180

cgtgtcggtt acgggtggtgc aaccagcttt cgccgcaagt tgagcatcgg ccgttttcgg 240

ctgaggaaga cgagacgac gcacgtgctc acgctcagtt cggtaataaaa tgggcgacga 300

ttgctcgtct tctcaacggt cgtacggaca acgccgtgaa gaatcactgg aactcgacgc 360

tcaag 365

<210> 681

<211> 377

<212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-02-Q1-E1-G10
 <400> 681

gaaaaacacc atcatagttc ttaaaaatcg tcttaccaac tcaacaacat aaaatcccag 60
 atggatccaa tagaaacgga gaacataaat cagaaaacca aaatctttgc ctagatataa 120
 gagactttgc gatgacgaga gcatcattac tgactagcgc caagccactt ggtgaagtta 180
 tcgaactcgg tgtagtcaact gtctgaaatc atagtctgat accaagcctt gcctgctgct 240
 ttgatcgctt gggcctcctc cttagtgaag actttcctct tcttctcgag cctctccttc 300
 ttagccttaa cccttgaagc ttcagccaac agagacattc tctttgcggt cttagcataa 360
 ggattcaact tgaacat 377

<210> 682
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-033-Q1-B1-A7
 <400> 682

aagagaatgg caactttgaa ccggtcaaga aatatacaat tcggaatttt ccgacagaga 60
 ctttggccaa aatgggtcaaa accggtaccc taacccttaa ccaaccaacc cagttcctgg 120
 tacaatttga cagctcaatg actgaactct ctggagagcc atgtgaagac cagtgtgtcc 180
 atcagggggac acctgcacac ttacaggttc tgtgacaatg tctggacctt catattacag 240
 gacgcaatgt tcaagagtga cgatcgtcaa gagaatgtga cccgggtgaa gatagtggca 300
 tgtgattcga agctgctcac acagtgaaga tgcaaattgt ctgcaggga tttaccttcc 360
 ctttgtacta gatTTTTGAG ttctctcacc tttgtaaact cagcacttgc t 411

<210> 683
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABLI-12-Q1-B1-C2
 <400> 683

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ggcatgtgac aaaacagttt atcttgtcga caagttaacc gccgataacc ggggccacca 120
caaagcttgt ttccgatgtc accattgcaa aggaactctc aagcttagca attacaactc 180
ctttgaagga gttctctact gcagaccaca ttctgatcaa aacttcaaga gaactggaag 240
tcttgagaaa agcttcgaag ggacacaaaa gattgggaaa cctgataggc ctttggaggg 300
agagagacct gctggaacca aagtttcgaa tatgtttggt ggaacacgag agaaatgcgt 360
tggttgcgac aaaaccgtgt atccaat 387

<210> 684
<211> 392
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-031-Q1-B1-E8
<400> 684

aagagaacaa acgtcgtacg cttcagaaaa acgatatcgc tgctgcgatt actagaaccg 60
atatcttcga tttccttggt gatattgttc ctagggaaga gatcaaggaa gaggaagatg 120
cagcatcggc tcttggtgga ggaggtatgg ttgctccgc cgcgagcggg gttccttatt 180
attatccacc gatgggacaa ccggcggttc ctggagggat gatgattgga agaccggcga 240
tggatcctag cgggtgtttat gctcagcctc cttctcaggc atggcaaagc gtttggcaga 300
attcagctgg tgggtggtgat gatgtgtctt atggaagtgg aggaagtagc ggccatggta 360
atctcgatag ccaaggttga gctatggaac ca 392

<210> 685
<211> 382
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABLI-14-Q1-B1-A11
<400> 685

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agaagaaaaa aaaagaacaa tccgataaaa agatccggcg atgtcaaacc cgacccgtaa 120
gaatatggag aggattaaag gtccatggag tccagaagaa gatgatctgt tgcagaggct 180

tgttcagaaa catgggccga ggaactggtc tttgattagc aaatcaatcc ctggacgttc 240
 cggcaaattct tgtcgtctcc ggtggtgtaa ccagctatct ccggaggtag agcaccgtgc 300
 tttttcgcag gaagaagacg agacgattat tcgagctcac gctcggtttg gtaacaagtg 360
 ggctacgata tcacgtcttc tc 382

<210> 686
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-C4
 <400> 686

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 attcaacatt tcaagccatc aacaagacta ccatagaggt gctatagact tttagcaatt 120
 tgtagaagac aaaaaacgag agagagagag agaagaatct gaaaaacaaa aatacaacaa 180
 aagtttggtg tgcaataaca aatagtaata catgtttttg gtaaagaaga gcattgatag 240
 agagaaagat ttacttcttc taaggtttat aaaagagtgt tttttgagtc catgtaatca 300
 aatccagtct tcttggaaga agcttatttc tactactcat cnaangngct caagaaccn 360
 ccaaaggaaa ccagctccaa atggcagtn cca 393

<210> 687
 <211> 342
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-C5
 <400> 687

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 agctgggaga taaggccct tcagtgccaa taatacatc atagttatga tgaacaatga 120
 gcatcactact aaaaagtgt aaaaactatgg tttctgagtt ttgaaaatgc tacaagaata 180
 tcataagatg agggagggtc atatcactta agtaactgtt gcagttatct cacaaaagtg 240
 ttgtcgttgt cgcgcggttt tancggatta ttttaaanta caanagacgc tgattcatca 300

gtggaaaaca aatcctccgc ccgagtgttc aacttcctga ng

342

<210> 688
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-B9

<400> 688

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tacttggagt acacctcctt acaactagaa acaacatgga aacaaacgtg gagtaacaac 120
ttctacaaac ttggaaaaga tggaaactgt aatcgtggaa gactccttgc ttattgtaac 180
taaatacgaaa acagagacta agtaaaatga cttagtgttg ggaatacttt ggattgggca 240
tgcgagnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnngcataa atcgtncgtc cntggttgat atctcggtta agcaantttg tccaccagnc 360
ttcngagtcn tccagcagcg gnaaacaan cgccgggaga agttcgcnc 410

<210> 689
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-C6

<400> 689

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agtcataata ttatataata aatcccgttt taaaccatc aaataaaaat taaaaaaaac 120
cacttcatcg aactttacct tatgtgtata aaatatatat ttttgggtta agaagaacaa 180
gctatgatca gaatcaagga aggtagagac cactctgac ttggtcagac gacgtccatt 240
gactttgact ccagtatgca tgatcaacgg tactgggttaa atcaaacagt gtttgatctc 300
caccgccact tccccaatcc aacgggttca aaaccatan tcggntncga aanatcntcc 360
tttaantca acctggggcca ttccgttccc aa 392

<210> 690

<211> 284
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-047-Q1-E1-C7

 <400> 690

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 aagaaacaaa gaaagagaac ctaagaaact ttcaaaaaac aacattgaag aaagagttgc 120
 gaagtgttaa gtattcatgt tttcttgaaa aatttccac ctttttcccc aattccggtc 180
 cctgtaaggc ttgaagagag atgggatctg gtgtctggtc tccactgcaa ttctactaat 240
 gctgagaaca gagctgacag cgaaggagag acttctgctc gagc 284

<210> 691
 <211> 349
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-D12

 <400> 691

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 gggaccagtc gatctctttg tatcttttct ctccatttct cgaccgaaca agtccataag 180
 tgtcaagctc aagcatatca tctcaaaacc tggacaagac tcatggtaca accaaaaaga 240
 cacaaaaaca aactttgatg caacaaagat tcgacatgaa tacaaatcac gagattaata 300
 aaacacaaac tatatcactt cttanaatgt ctttttagtt naacgagtt 349

<210> 692
 <211> 358
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-F1

 <400> 692

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actaactatc gccaatgaac gaaacccttg aaaaccgaag acaacaagag attacatctt 120
tagcatttga cacgaaacca aaagaaaaaa aaaaaaaga gtttgaatca tgttgtaaac 180
attantattg ngtaattttg cnccatcatc taaagaagaa cctcaagagt aaagaaattc 240
gtaactcgaa aatgggggttt ggtttgcttc anacggagat accataattg ntgatcttgg 300
ttcacttctt ttggcaaagc gtttcnccncc ntgcttcact tcaacanagc acggcttc 358

<210> 693
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-047-Q1-E1-F12

<400> 693

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tttttctttt tcttttcgat atatctaaag gtctccgaaa aatttagcaa aattgtcaat 120
agcatttttt gcagcgaaat tacgagcagt ttctttcttg acaggatggg gaccacatcc 180
aacaacttta tcttcaatat ggaaacaata ggtttgattt tcttcccaag tgtcttttga 240
cgtcaatttc aagtctctct tctgacacat ctcatgagt tctgtcattg gatggctctt 300
cattttgtct aaatgtatta ttggctccaa caatggtttt atcaccttcc agacgggtctc 360
gggtggagtt gcaatccatg aagata 386

<210> 694
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-F7

<400> 694

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acaatggagt acagaaccaa agtagtatca acaaaccac aatatgacct gaaacaaaag 120
ctaaacaagc agcatgatga agaccaaatg tattgtcggc taatttgaaa cgatcaagac 180
tagttgcagg ctcgggatac catcacgacc agcataacga tgatggatag caggaccgaa 240
gtggtcagct tttcctcgag ccaattgttg aatttggcat ctttcccctt gttgttaaca 300

ccatcaccat tgtaacaatt gaagagctcg gtcacgacct ttggtatattt caciaaacact 360
tccgtggggc ctaaacantg gggtgtcnaa tacccaac 398

<210> 695
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-G1

<400> 695

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa 60
aatccttgag aaagaaaaaa gaagcagata tgaagatttc acaatgcac agaagctttt 120
tatctacatt atataattac tccctcnaa gcttccttag tagacttcaa cattccactg 180
ttcactcctc ttcaattgct tcttgtactc caaccaatcg atcccatctt tagcagcaag 240
cgagaccata atgtcatcga tacccttctc cataccctta agaccacaca tgtaaacaaa 300
gggtgtgtct ttcttcagca actcncac 328

<210> 696
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-G12

<400> 696

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caatgattga gtgtctttgt tgttaagaac aaaacacaca caatgggttct caaaatacaa 120
caactgatct gtcacgact gcaaaatctt tcacacttga agaagactca attctgtttg 180
tagctttctt ggctcttca tcccaatttg taaaaatagt gacgaggcca angacacaaa 240
acttgaacaa cgagggcaca tatgattcca agccaaagcc cccgaccacc aacgtgaaag 300
tgaaaagcaa gtaacaatcc tgaaggaact ccaacaagga taatatggaa ccaagattta 360
aatgattggg cccaaacttc tgnatccaa aatctctaac caa 403

<210> 697
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-G2

 <400> 697

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aagacacacc aaatcactac tcatcacctt aataaaacat atacatccca actgaagaaa  120
agcctcgaca aaaagactct ctttaagaac acattttatac ggtatggcaa caactgaaac  180
cgaacccaat cttccattgt tgcnattgca cagaanaatc aggcttcttg ggactggtac  240
agctgctgct gttgatgacc tcaacaatgg ttgaacgagc ttttaccaca ntgctcatgt  300
ttgggcctaa actctgantic anattggcan acacnaatgc ctgctactgc aacgagcctt  360
gnaac                                                                    365
  
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<210> 698
 <211> 259
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-G6

 <400> 698

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aatctcagca gacagctcaa ttgcttggtt gaaaccattc tctctccgt aagaaacatc  120
aaccacattc aatatcttag cttgaagacg aggatcaaac agttctgatt gacttagctc  180
ggtcttaaaa tccgctgaac cagcaagtat aagaccagag acattaggct gacncgtagc  240
tggattaatg taaaactga                                                    259
  
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<210> 699
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-047-Q1-E1-H11

<400> 699

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tgggccacgt actcctagat ccttagcatt cttgaacgtt cggattggta tgttgtcaac 120
aaagaatacg atctggtaca tgttccaaag gattgagtaa gtgtgataag ccttagaagg 180
atcaaaccag agatagattc gttgttctct gtttcccttt cctcctgtga atacatttgt 240
ctgtaataata gctggttgct ctgttctgtt tccaaggaac tcaaagtcta tctcgtcagt 300
ctcattgttg gtagatgata agatagaaag ctgtgacaac tccggctgtg tcaccanctg 360
ggaactttat gtgnaatacc aaaatgttca a 391

<210> 700

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-047-Q1-E1-H4

<400> 700

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cgaaatgctt tgatgaacaa tgcgatatta ttcttatgaa ctgtgtgggt ggatacatct 120
ggattctgtt tctcagtagt cagctctcag ttcttagtta gctgtcgtg gatttgtttg 180
ttaggctcaa cagtactccg gtactgagag aaagtgcac gacaccaagt gatgcctctg 240
ttgatatgtg gaagccaaag aatcaagga tcatcttgac tcctatgaag ccaagaacaa 300
ctgctattga tggctgcaag tattccagct cgtccattcc ttcagaaatc agtgtataag 360
agagaacctt antccctaag gattgcaaaa gagaattaga agtccaagga caa 413

<210> 701

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-047-Q1-E1-H6

<400> 701

tttttttttt ttaaaacaaa taaaccagac catgtattgc ctattgccag ggtagactgg 60

ccggtcagga tttcgaaaac tggtatagta aacaattctg gacggaggcg aaacattaac 120
aaagaactaa aaagacttgt ccttgacact cgattagaaa agaaaaaaac agtctatgcg 180
acacgtcaca gagcaaaacc cctatgtgag acagacagat agaaagatat gtaaagcccc 240
agctgcaaaa cctgtaaatg gaagtaccaa accattctct cttctcactt gaagcacttg 300
gcggtccaaga gaggctcacc ttcaaattggc tctgcgtctt caatcatccg ggctaacacg 360
ctccttctgg gggtcaaccn gaaatttcaa cccttagtnc aatca 405

<210> 702
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-047-Q1-E1-H8
<400> 702

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggccatt 60
gacattgtca tttcttacia aacacgaata tgtttacaca ggggtgttaca atacgaanaa 120
nccaatggta ncgaaagatg gaaatattgt acgatacaag agacataaaa acacatgaga 180
tgatgatcac ctacgtggaa cttgaggctg gtcaagacgt tgttgttgac gggatcagcc 240
aagtgatcaa gcaggttctg ataagggtccc acaccgggtca ctagtctctg gataaagtaa 300
ccgaggggatg gggagcatan ccagtctacc gtncttgacc ccctgagnt cnaaacccct 360
tcagggtgncc ttcccnacct ttcccaaacc ccaaagnngg g 401

<210> 703
<211> 388
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-C3
<400> 703

antcgtatta caaataattc caattcatat atgaacattt ttgcctcctt atttcttgaa 60
aatgtggaat tggaattccc cgaggaattc cgatctcatt tcctttggct tcaggatagg 120
cctaataaga aaacaaataa ttccaattca tatatgaaca tttttgcctc cttatttctt 180

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gaaaatgtgg aattggaatt ccccgaggaa ttccgatctc atttcctttg gcttcaggat 240
angcctaata agaaaacaaa taattccaat tcatanatga acattttttgc ctctttattt 300
cttgaaaatg tggnaattggg attccccagg ggattctnca agatcgacct gcaaggcaat 360
gcaaactttg tcctcncccc ttttaggtg 388

<210> 704
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-C5

<400> 704

gncgaccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna cgaggggaaat agttttggat 60
attactaaca tactacaagt tgagaaacag taggaccaat gtacatttac tcactttag 120
gatgaaatat acattttggaa acttacatga gaaaggccta aaatgttcat ttcttggaga 180
gcattttatc tatttggccg tttttgttgt acatttccac tatctttttg gcatatgatg 240
gcatgtgggt gtttgtctct tgctttcccc atttgcggtt tacgtacaaa tagtttctga 300
tggtatggta gtccaacgag taccgagcaa attctanacc cttaggacca accaaattta 360
ngatnaacnc aanaatgttt ccaacaaana gtggnccccg gntnaacnag acccttgacc 420
aaact 425

<210> 705
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-C6

<400> 705

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nnnnnnnnnn nggnacagca agaaaacata agggncanat tagtcatgac aaaaaaact 120
tggttttaag ctttttgnta ngacttgcaa ggacacncaa caatagccac gcgaaagaaa 180
aataanccaa aagaaaaaaa aaagagttga agaganaatc ngagacaaga agagctaata 240

atccngagtt cttacgggga ngttgtgttt ggnnngtttt gacangggcg ggcctgtnaa 420
gtgggttaaa 430

<210> 708
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-E5

<400> 708

tttttttttt ttttagtatt caattccttc cagtccatgg aacttaaagt ccattaaagt 60
caaaacatga gcagatagat tttgtatcta tgggaatcgt tacataatcc ataaataatt 120
caaccataaa acgatgatct ctcaagattt aagtatccag atcttacgat tcattcagat 180
gactgaaaca aaaccaaga atatttggtc gcatattatg aacacttgaa acagagcaac 240
aagtagagca tttcacccat tatcacangt accatanata aanccaacca taagntagca 300
aanccaaagg aagagtccta atccggaacc cancaggaaa aanccaacta ccaannggat 360
ggaggnnttca tcataantag gcaaaaaggt ggggtattng agaga 405

<210> 709
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-F3

<400> 709

ggcngccgtc aaaagactca atcccnngtc gacnacctca ctattcngcg gccgnccttt 60
tttttttttt ttttttgtat caataacgcg acaatgttct caaatcttca atacataaaa 120
attgcaaagc aacttattat ttggtacatg ataagtaaaa cagtttcaac aacatattga 180
tccgtgtaat ggacaaaaac agatcaagct gagttaagt gagctccaag ttcggtagag 240
ccttcacggt tttgaaacac gatcacgtat agtgcataaa ttatccctgg gatgtatcct 300
aagattgtca gcaccaagca aatcaagaac tctacagtgc aacagccacg tttgagacaa 360
actccaagag gtggaagaag gatngccatt aagatntcgc agaaaacttc catgttgccc 420

gncaattttt caganaagtt gngtnaaaga aagatcctga atgttattct ggaattantg 480

<210> 710
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-F8

<400> 710

tttttttttt tttcnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncaccac accaattatt cgcataaata 120
gtatagatat atcaaacgat ccaattcggg ttcagtttag aaaccgtgga tcttgatctg 180
atccttctta gcaatcccag tttggaccaa gaactgagac actttcttcc tttgatcacc 240
ttgaagctgg atgatcttgc ctagtctctt gtctgcaca acgttaccgt tgcagcagaa 300
atctttcttc aaatccttga gaatcctctc gtagctgtac tctttcttaa gcccttgaac 360
agtcgtcaag ctctttttcc cattcctcct gctgggattc gaatgtgaat 410

<210> 711
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-046-Q1-E1-G1

<400> 711

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gcatagaaac aaagataggg aacatatgga taataaagag gtgaagtaat gtttttgttt 120
gagattaaag aggtttcaaa caaagagatg ataaaacata ggaatctaac ttatttcatg 180
gaagatccct atgtgaagaa gtcnnnnnnn nnnnnnnnnn nnnnnnnnnt aaaaccgagt 240
ctgtgagggg tcaaaggaca caaactttca tcccattgca tatttctgag tccagcttct 300
cgcagtagac tcatacnttg ccnctatcgg gttttgtaca tgtgaagcaa tctctggaac 360
caatggatna tcnggggttg ggtccgttna caatgaagat atccgaaagc caaaaccttt 420
ctagaatgn 429

<210> 712
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-G7

 <400> 712

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 ctctgaatta gattattaca ttccaacga ccatactaaa agaatacatg tataatatta 120
 cctgaataga aaaataagaa aaatacncaa actatttaag tcagctcttt ttcttcccca 180
 gcctgaatta agagctaact nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnctaatt ataacactaa ttattaagac gacgcttgat tantcctcct cntcctcang 360
 tcaancacaa cgaacgccc cgtaacgga acccctggcc tggcaagagc caactttggg 420
 tnaagagca 429

<210> 713
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-H2

 <400> 713

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 gcacaatcac tcttattgcc atattgtgtg agaaacaaaa tcatgagaaa gattctataa 120
 tctcaagaag gcgttgaagc catgaactct aaaggaacca aagaaggaaa gagttctgta 180
 aatctaaaac catgtcgttg attctttgtc ttcaagcagt ttgagcaact ggttcacag 240
 atgcttcaag cttttcgatt cttccccc cctcgactct aagaaaatcg gtaaccttca 300
 ctggagaacc tacctccttg gacaaattat ccaccaagtg tentaatgtt tataagcatc 360
 gttcacaata aacttttgct ccattagaag caacttcttc aaaataactta cggagac 417

<210> 714

<211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-H3

<400> 714

nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa gttcaaagag ttgttataac atccgcaaga 60
 ttttacatgt agtgtgatcc ctttttaaatt ttgttttggt tgtctagcat tattatataa 120
 aatacgaatt aaaatcttac aaatcataag attgtttccc agtgaattta acctcaatgg 180
 gactaacatt ttaccgatg gatctcatgt ttagtccaac accttctctt cctggattcg 240
 ctttctctgg ataaactcca tctttcgggt gaagatattg aacctctccg ttagggaaca 300
 ctctgtaaaa ctggtaagtg atcttgact ttgacctcaa cctcngtacc taaangccaa 360
 cacgggntct tcctccgcca ngtttcaat 389

<210> 715
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-046-Q1-E1-H5

<400> 715

tttttttttt tttttttgat taaactcaat gcataacaag tgggtgtagaa gtattgatac 60
 attcctgtaa tgctactagc aatctcaaac aatcatgata catcatattt ctctcatgga 120
 gccaaaatcc ccggctgggtg gaaaaataat agtttgcgca agtgtgtatg attatttcta 180
 ttgaggtgaa aaacaatcta aggttttctt ttactttta ttccaacac aaaattgatt 240
 acgcatatgt attccacatg caaagaattt taaataccgg gatttgatag tgaacttatg 300
 ctgcgacaga ctgtttctcc tcgtaatccg tcaagcctta aaagcttcca atanccttgg 360
 ccnagaactc ctgggggaagc ctncaggtna agtccaaact ccaataaagc tttcccctgg 420
 g 421

<210> 716
 <211> 412
 <212> DNA

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<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-047-Q1-E1-A4

<400>      716

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    60
nnnnnnnnnn nnnnnnggaa aaagcataga aacaaagata gggaacatat ggataataaa    120
gaggtgaagt aatgtttttg tttgagatta aagaggtttc aaacaaagag atgataaaac    180
ataggaatct aacttatttc atggaagatc cctatgtgaa gaagtcctct ctctttctct    240
ctctctctcn attaaaaccg agtcngtgag ggatcaaagg acacaaactt tcatcccat    300
gcatatttct gagtccagct tcncgcagta gacncaaagt ttgccccaac cgggntttgg    360
ncanggganc aatcccctgg aaccaaagtg gttanccggg ggttttgggg gc            412

<210>      717
<211>      404
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-047-Q1-E1-A7

<400>      717

tttttttttt tttagaaaat acgtttccac aattaaaaca gaaatcgtag tgacacaagg    60
acataacatc gatcgagtaa gaataaaaac attggaactg gaatttaaata aaagcataga    120
cacaaaatca ttatataaaa tcaaactaac cttttttgtc taaccgaacc aacgtagcta    180
tgaactacac tgtagctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    240
nnnnnnnnnn nnnnnnnnnn nnnnnnnatg ttgttgtaa ccctagtagt ctccaccaan    300
accatctctt cattagtctt tttcttcntc ttenttanna gaagttttgc tcttcaatct    360
cntggagcan gtttgaagan agtgaggggtg gcttccatgg ggaa                    404

<210>      718
<211>      77
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: ARABL1-047-Q1-E1-B11

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<400> 718

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aacagtattg tagaata 77

<210> 719

<211> 365

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-047-Q1-E1-B12

<400> 719

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acataagaac ttggtaaaag aaacaacacc acaaagcatt tataacaaca ttttcagaaa 120
tttgaaatgc gcacccaaaa aaccttaaca atattggnaa atagggtcaa ggaagatagc 180
agagacactt caacttgagc gaatgaggcc gtgcaagtaa gctccagtca tgacgagtga 240
caccaccgac acaagtccag ccggtaccac tttcctcgtc cttangtaac gtgatcccat 300
catccctgtc agtgccgncg accccanaat gccaatggan gattctaang aatggatttc 360
ctggg 365

<210> 720

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-044-Q1-E1-G11

<400> 720

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ataccatgtg aaattccaca aaccagttac agatctgaag taaactactg atacagttat 120
gaatatttac agaacatgcc acacaatcat cacaanggct atgataaaat tccaagtaaa 180
caacaatatc gatgtccttc anaatcatct aagaccttcc caatgaatat ccagctttca 240
tgaaaaagcg aattgtattg agtgaatctg agtcagccca ctgtcttgaa atcagaagag 300
ccactcatct cctcaattct tggntttatt gggggaattt cataccttca agagagggcg 360

ttccaaacga ctaancaata tgttttcca

388

<210> 721
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-G4

<400> 721

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ggctnctggt aaatnggnaa atacataatt tgacattaca cactgacgaa cggaatgat 120
actgagatat acananagaa tactgattta atcataacaa atcgaaatat gaatatttgg 180
ggattggtgg tataaacaaa tgccaagacg gtttacggtt tctatgcact gaatccacgg 240
ttaagcgagc tccanngacc anttggcagt gtggtacaan cctgtgaagc tgcctcctcc 300
atttgctcca tttgaatccc tgcattgcag atgtttgna anaggactca atttccttga 360
tacgttccga agacagncca ttcaaantgc ctccccgaaa gctctcacct gaatttttaa 419

<210> 722
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-044-Q1-E1-G6

<400> 722

tttttttttt tttcaataac aaataatttc attacatagc tgattaaaga agattacaaa 60
aacgantata taaagtanaa ataanagann atcgtatcna acgtanacta ataggatttc 120
aaaacagagt cgagcaagaa tctgttttag ggtcagacaa agccggtaac aaatattttc 180
tcccattcag tcccttaacg ttataactcc caccggtcgt tgcattccaca ngtaactctc 240
cagcanaacc aggatacgaa cttttcccat anactccagt acaagccgat ccancctcaa 300
gcggtgccgt tttaggccct tggnaatanc catctccgaa cgggttcggt gccgtcgcaa 360
ccaagagact cgccaagggtt aanccccaac ccgttcaaan caaagtc 407

<210> 723

<211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-F3

<400> 723

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tttttttttt ttttttttaa cataaagtga tgttattata gaaagtagga atattcacag   60
aattacaaaa aacaagaaag cagaaaagat cagattcagc cataaacaca gacacgactc  120
tgattatcat ctcgaaagaa gaagaagaag agctttgttc cttctagaag cttcaccgtg  180
gctgatagat atgatgatcc cggcgacaat taaagttcgg attcatgtac ttcttctgat  240
tatacttttg tgaacaagac gaaaccttcg atctataaat cttctctttc gtagactccg  300
ctatgttcaa aagcatcttc aaataactaa gccacatctg cttccggtaa ctgtatcagc  360
catggnnttca acatcagacg atgcgattat cccctccgaa ctcc                               404
  
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<210> 724
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-G7

<400> 724

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tttttttttt tttttttttt gagctcatgt anctagagct aaacattgta aaacagaatt   60
gaacttacaa aacgttctct aattganaca agatgaattc aaattaacca aggcctaggc  120
ttttanagac ttaagaagaa cctgaaactg ttgatcagat ttataggcca tttggatatt  180
cgaaacacac aacancgaaa accgcctca ctattccacg cattcgaagg cgccctggaa  240
tatgaaaaga aacctgttgt gttgcacaat ctnatgtgtt tttggnactt gtttaatggc  300
nagaatcgga tgaagcagag gacggcttgt tgtcgcgccg gtgctcctct tgttcgcctt  360
gaaancgtgc tggatataga aaaccgg                               387
  
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<210> 725
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-H2

<400> 725

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cttgtcaaca aaaatgtann acaaggtaaa taagtaaaca agatatttca gttttacacc 120
gtacactttt cccggccaaa tacagatgaa tcgccgtcac acanaacana gcaagacggc 180
gaacagagca aagaggagag aattctgtaa acgagccgag cctgaatatc cctgaggagg 240
agtatgatag taanacggca aataaggaac gatcggattc ngtggtggtg gtgtcccgtg 300
attgccgtag taaggaggcg gataataacc aacgtnaccg tccgccgccg ttacggaggg 360
cgggtattaa cancaacggg act 383

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<210> 726
 <211> 148
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-H3

<400> 726

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gatcttttag aanattctaa nattcacaga gatgtnacca anctatacag ttgcatccag 120
aaaatccgac tcaagcgatt tcataagc 148

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<210> 727
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-044-Q1-E1-H9

<400> 727

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aagttctaag caggaaacaa caaacatttt aaagaacaaa gcagtgaaga aaacacgctt 120
cctgttttga tgagcagatc acttagatgg gtctctatgg ctctctcca agctcaactc 180
tcaggttgtc atatggatac actctcggtg taaatggaac cttagaagct ttgtcgttca 240

```

aaacagcgag cagaccgaga ccaacaaaga accctaattcc gccactcaac catgcnaatg 300
 cttcatactt tccgacggta tcagcaatcc gatctatgca aggctccgga aacgcagtcc 360
 cgttgtcnca catnaagctc cgtccgttta ccgatancc 399

<210> 728
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-A10
 <400> 728

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 cttttttttt ttttttttta agaaaagact tgggaaacct tatgaatggt aaaagtgttg 120
 ccacttcaat acaaacatcg tacttaaaaa tacaagtaac cacttggggc attàcaaagt 180
 aaatcaacca tcatatatat atacacaatc acgatgaata atgttttttg agtatattaa 240
 tgagaaaagct tgtatgagat gatcaagatg atggcgagaa cgagagccac gattaccgat 300
 gtaatgatcc atttgttctt agtcattctc cttgacatag ccgtcaacac cttcttgctc 360
 ttgtcaatgg cgtcatccac accatgaagc ttgttgtgcg catgaaggan ggtttggcgt 420
 tgctgactca aatcttggga caaantgaga tgccaacct 459

<210> 729
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-A11
 <400> 729

ttttttttt tttgtacag tcaactctcat atgccaaaaa gccaaattgt gtcaaaatac 60
 caacaaaaaa gacaagaaga aaatgcaact tcaactacaa ccaatctcgc aggattcgaa 120
 cagacaagaa acatgggttc tctgttttaa tctaattggt atcttttctca aaaaaagacc 180
 attccttaac gaccttcatg catcaaaggg cgggatnaaa cctagcgtgc accagcagtn 240
 agtttttagtt actgtccgaa aacgccattt tccaataanc ctaaagtgtt naaagaacct 300

tccaagaaan ttgcaatttt tggngaataa tggaaagaag gtgtnaccgc tcaaaaattg 360
 ggcctctnngg gnggcccaacc ctcanctctn gaanactcct aattggctct tccaacn 417

<210> 730
 <211> 276
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-A5
 <400> 730

nnnnnnnnnn nnnnnnnnnn nnnnnnnnna agaaagaaac catccatgtc ntagatagag 60
 ttaacatagt aacatcatcc caacacaang caaaggaaca gacnangnga cgcancacga 120
 aacnanacta anagatcagg ttttatttag aaaanataat tattcccgat agataanaga 180
 gatagagaag agttgccaga anccaaagag ctcatcaagc ctccttcncc cctgtgagga 240
 gatccatnac cagccttttg angettccac tcgagc 276

<210> 731
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-C8
 <400> 731

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnatatgcat ccgcgaaagc ggtgtaacca tatccgagtc actgctactc acatagccga 120
 attcttcatt atcatcatca gtagaatctt caattttcac aactgacttc acatgttttg 180
 attcggcagc cagtgatect ttcttcaggg atttatattt ggctttcttc gcctttttct 240
 tcttcttagg cttcangtac atgagcactt tcgttctctgt gtcaaaaacna tttcagccac 300
 ctctgccgct tccctctctc taagcttcat tttccaaatc ttccattaac tacanacatn 360
 agtaaatang tgacaagctg aaaatgcagg gacatggtaa gaggcaacaa 410

<210> 732
 <211> 367

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-D12

 <400> 732

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 nnnnnnnnnn nnnnnnnnnn nnnnaccaca ccacaccaat tattcgcana aatagtatac 120
 atanatcaaa cgatccaatt cgggttcagt ttagaaaccg tggatcttga tctgatcctt 180
 cttagcaatc ccagtttggg ccaagaactg agacactttc ttcctttgat caccttgaag 240
 ctggatgata ttgcctagtt cnttgcctg cacaagcgtt accgttgcag cagaaatctt 300
 tcttcaaata cntganaata ctctcgtaac tgtaaccgtt tcttaagccc ttgacaagtc 360
 gtcnaag 367

<210> 733
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-045-Q1-E1-G11

 <400> 733

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 agaaaagcct attcaaatg caagattaca gaaattatgt aggacccaac aaggcccaaa 120
 gagatttcct acagaagaag aaactggaat ttgtctctat ctcacgatca cgtgtcgtca 180
 ataggagaaa gacctanacg tgtgagatna gaagcctaaa agtgaaccga cttcttcctt 240
 tgtengtcg agcaccgatt ccggtgaaga aggaatcaca accgannaca ntcnacatac 300
 attcttctga ttttttcngc cggtaaaaag taatcngaag actccgantt naagcaagag 360
 ctttaangga ctgag 375

<210> 734
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-045-Q1-E1-H12

<400> 734

tttttttttt ttctcattcc acacaaattt tcccattaaa cacacaaaaa cgagttacaa 60
ttacttaaca cggcaacgag gttgctttct ccttctgttc gtctcactgt acagttaaaa 120
atggctctat ggactgtgca agttcttttag ctgctcaacc acatcaagag tattgcttag 180
ctgatgataa tcggagcgat gaagagcggt tatttgtccc gaggttttgg ttccatcatt 240
gaaatgggttc tttgcangtc caccacgagg gcagtgcgc acacggattc tatgctttct 300
tgtctcagtc gagaaccttc cgtggaccac gaggaccaat atgacttctt tgtcncttgt 360
gtcctcaaac caagagttct gaagcaacac cgtccaaaaa ac 402

<210> 735

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-046-Q1-E1-A10

<400> 735

gncgaccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn ncaatacatt attaaggcta catattcggt atttaatat taatcctata 120
tacaattaaa atcttatgtg atcctcatgg gcttcacaag tcaatgaaga ttgggctggg 180
ccgaagtaga ctctgactta acaaaacgaa caagagacaa ctttgcgata tcggaaacgg 240
caagcatttc gaacggcggc ggaatcactg atgagaaact catacgccgc ttcgaaagct 300
tctcgccaga accgaggaac cttaacgcca ccggagcgtc cgtacacatc cacatctgtc 360
tcancanttt cctctctctc ctcaaatttt caanaacgt 399

<210> 736

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-046-Q1-E1-B1

<400> 736

nccnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn aagaaaaaga aaagtctctg aacatgtcaa 60
 tgtatattaa catacagtat gtatagatcg aagctaattg gnattattac aagccaatta 120
 gttgatttta agaaacatat aactcggctt gtccgtcaat gaaaagactc atgaactctt 180
 ctccatccac agtttctttc tcaataagga gctgtgcaag cttgtgtang atatcaattt 240
 gtgttggtan gatctctttc gctctcacnt acgccttctc aacgagcnct ctcaactccg 300
 gcatcaacca natccgnectg ttgccatcga gtaatccgnt ctgcgaagac ataccttngg 360
 ccccagaaaa ggggggttccn ccctgngtnc aacaangggg agctgggcag acacgttttg 420
 ncggg 425

<210> 737
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-C12
 <400> 737

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 aaagggataa aacattcgcg tcttaaacia gcagaaaaca tacctcgagt cccatgaata 120
 aaaattatag aacataacat aagaatttat atgtaagaga tgcaaacc aa gtttatagag 180
 ccattgtttg gttctaaaaa nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
 ngtaagcttc tcaccaaggt ttgtcatcac atggcggagc tcagctgctg agatgaaacc 360
 gttctgggtcc ttgtcgaaaa cccggaatgc ttccttgagc 400

<210> 738
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-C3
 <400> 738

tttttttttt tttttttttt tttttttttt tttttttttt tttatttggt gagaattaga 60

taaacatgat gctgaaaaca aagattcttc aggtagagta aattttgccg agattcagaa 120
cacaataatg acaactcaaa caactagttt ctttttcttc ttcagagttc atcaaaacaa 180
aagagcattt cacctttttg attcaatcag attcacaact tgatcattaa aatatcgcaa 240
aatgctccca aacaaccatc atatctgac aagatcaacg gttcaggggc aaaagagcat 300
gctcctgggc aacgggtaaa gtagggcaca ttagggagac ctaagcaagg tggnagaacg 360
caatcccccc tgaaagcttc natccccgaa gccgaatttc ggagcctaac gtnncntgg 420
aagcgaactc aaaactcctc caa 443

<210> 739
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-042-Q1-E1-C6
<400> 739

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ttaacaatgg aaatctttgt aagacgtcgc ccatgtatat acatgttttt tggccttgaa 120
gctgatcaat gctagtcttg ttcgtcggta tatataaatc ttaacattga tttcaacatt 180
acatgagaca gctcaattct caaacgtct aaaccagtca acgatcgtcc tggaaagaac 240
tcgagtttcg ctaagaggaa tgggtcttag cgctgagcc acagcgtctg ctggcgtgta 300
cacagtccca atttgccact ttggatcctg tatgcaangt gtaagatggt ttccgttcag 360
ccgaaacctt tcaaagtgt cacaataga atccaanccg aagcctaaag aatttcttcg 420
ancaaatcag tc 432

<210> 740
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-042-Q1-E1-C9
<400> 740

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tacaagatat gaaatctgca tcacatttcc aagatgcaac aaaccggata cacacaactc 120
gatcacaaat taaactcact ttccggggac gaagttggta gcgaaggccc atgcattggt 180
gttgactgga tcagccaagt ggtccgag gttctccaac ggtcccttcc eggtgacaat 240
gggcctgaac gaaagaatcc aaacatagaa gaacataacc aaaccttccg ttccttgaac 300
tcctcacct tcaaactccg gcgaaaagcc tcgggggtcaa gttagcgaag gccaatgggt 360
cgaaagctcc caactgggta aagcaagtcc tctgcntctc ccaatggaac atctccggg 419

<210> 741
<211> 184
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-042-Q1-E1-E3

<400> 741
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tttttagtaac tactacttgg gaatttttaa tattttgann tttctcttaa gcacacatt 120
caaaacaggc agaaaatgtg aaaacatgtc tgctcaatt gttttcttct cgagccgant 180
cggc 184

<210> 742
<211> 75
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-042-Q1-E1-E4

<400> 742
tttttttttt tttttttttt tttttttttt tttttttttt tggccattga cattgtcatt 60
tcttacaaaa cacga 75

<210> 743
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-042-Q1-E1-C1

<400> 743

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gagtttatga gatagagatt ccatcaacga aacaaacatt caaacggttt tgctttctta 120
caatcagaaa atattcttct tggcaaagtt acggcattag acgaaagcat tgattcttgt 180
tacttgctac atcagtagaa cttgggtcac ttctttccac gaagcttagc tccaagcgct 240
ctctccagct tagaaaggat ttgctgggtg ggtatagctt tgccaagact catactcttg 300
aatcacttgt ggctcccatt gatgatttga gcaagttggg actgggtag cttcctggcc 360
gtcctggctt gcaataaagg ccttccttan cccaattagg nacaacgttc aagaantaag 420
gtccaatgg 430

<210> 744

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-042-Q1-E1-E6

<400> 744

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ttcacacaca tacaaagtaa tttaacagat atganggctg catcacattt ccaagatgca 120
acaaaccgga tacacacaac tcgatcaca attaaactca ctttccgggg acgaagttgg 180
taccgaaggc ccatgcattg ttgttgactg gatcagccaa gtggtccgcy aggttcncca 240
acggtccctt tccggtgaca atggcctgaa cgaagaatcc aaacatagag aacatagcca 300
acnttccgtn cntgagctcc ttcaccttca acctccgcca angcctcggg gtcagtatcg 360
aaggccact gggtnange tccaacctg gggtnaggca ggtcccg 407

<210> 745

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-042-Q1-E1-F1

<400> 745

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ccaataaaac acttacacta gagaggaaat aataaggcca aaacatacac acgcaagcaa 120
gaaattaact ttgaaacat gtattattac ggacttgatt gcctcttcac caagattgaa 180
ggcttggttc aaagaggacc tggaaaagtt ccactctccc tctgctcgtt ccacttgta 240
accatttctc caggacagag ggcacggtaa tacttggcaa acctttcaca gtcattagac 300
tcctctccct ttgcaagttg tacacctgtg aaactccatg taccgagtga agcagtgcct 360
cgtcctccaa ggctgatctg atnaaagaaa tggngaaant nccagaagca agagnaagaa 420
atcaacgtcc agtggg 436

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<210>      746
<211>      445
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-042-Q1-E1-F3

<400>      746

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aaattcccag ctgcttagct tttttcttca aagttgaaaa caaaatgaat aaacccatct 180
cagagttgaa actaaagagg cagaaagagc ctaaaataga gagaacaaga ctgattctgg 240
acagaagtga aacagaggct gacaggtttc aagcttgga ccttggttaga cttgaagtgg 300
cttgancanc tnccaagtga aatnangcaa ncgtnccctt caaanttaac nttaggcagc 360
aatcctnaag aaacctacca ttaactctc cccttaagat tcaaagttaa tgggaagatt 420
aatacctggg cctggaaatc aaaaa 445

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<210>      747
<211>      415
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-042-Q1-E1-G1

<400>      747

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 ttccaagatg caacaaaccg gatacacaca actcgatcac aaattaaact cactttccgg 180
 ggacgaantt ggtagcgaag gcccatgcat tgttggtgac tggatcagcc aagtgggtccg 240
 cgaggttctc caacgggtccc tttccggtga caatggcctg aacgaagaat ccaaacatag 300
 agaaaaatan caaaccttcc gttcttgaag ccccttcanc ttcaactccn gnaaannccc 360
 cgggggtcagt aaccaaggcc aatgggtcca aacccccaac tgggtaaanc aagtc 415

<210> 748
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-G9
 <400> 748

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 actagcaaca acaagttgta acgataanna gctttaggcg ataataggat tattagtcan 120
 naacaaagtt aaacagattc ctctcatta gagaatgatt gatggatcct tctattccca 180
 gttggattct tggagatcct tccttgctta gcagatttcc tgccacgaac acctttcaaa 240
 attgtagaga ttttttgttt ttgggggcta taaccacttc agatgggatg caaccaccaa 300
 ganaacatat cantattgan cttcaatcct tcggccgcn actttaccat aatatatacc 360
 cgtggattcn actttgtcca tctgaccaca naacatc 397

<210> 749
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H1
 <400> 749

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 attacatttt tattctcaca atcacccgat ctcttgaaa gaacccaatt tagtaaaaaac 120

agacaacatt tcttttagcct tctcatataa gaaaatatat ataagcaaga cctttttgcc 180
 ttatataaaa ccctacacca caaacaccct ttcagtatta ctcatctcat ttcaaaagca 240
 ttagagatta aagaaaatca tatttntnat aaaaaccaca ctgggcttat acgaagaacc 300
 ttagaaataa aacaatggcc atcttacggg ttacgaagca ctgaggagct taacatcatc 360
 gattacgggc ccacacaagt gatgaagaaa tcatcgctcc aaccgaagta aaatgggtgct 420
 gtaaaacata actcctggt 439

<210> 750
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H11
 <400> 750

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 gattctctac gtctcatttc atctcttagg cttcagtgat gggaaactca aagacgacat 180
 ctttgccagt gagcttcttg taaaccgcag agaaagcctc aaccttgtac tctgtgttgt 240
 tcctttcctt tgggtccaag aagaccttca tgattttggt accgtcgagt ctgtaccttg 300
 tgcgcttccc aacaatctct gcaggtaaga ccacatcatc aagaatagct tcatggactg 360
 aggtcagagt acngttgcgt ggtctctttg ccgctgaac 399

<210> 751
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H12
 <400> 751

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 ctgtatatat tataacatga anagtttggg tatacataaa aactcctggt aattgcatgt 120
 tttggtactc nagataacac aaggatgtca aaaagaagga agaaaaaaca aacagatcac 180

6677330 "the sequence"

ggaattgagg gtcttgaaaa acagtaagga aacttgatat gatcggtgaa ctattcgtgg 240
 tatagatata agccgagacc aaatcgagca catgctctgc agaatgctat ttcctcagct 300
 gcagtaactg ggatcctcga tgtgatcatc agtcgtccgt tactgtccca gttgattcac 360
 gatgtgcctc accatcagag ccacgaatag tgagacg 397

<210> 752
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H2
 <400> 752

tttttttttt ttaaacaagc gatacaaatt actttagaag cagcttaact ttcacattca 60
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 atagggagag agagaggggca cagctagatc tcagctttaa tatccacgcc ttggaggacg 180
 ctcttccgct acattcactc tgattgctct accctccaag ttctgtccat cgagggcaga 240
 gatggcttcg ttgagttcat ccacgtcaga cattgtgaca aaccggaatc cacgtgaacg 300
 acctgtctca cggtcgtaaa ccaccctagc ttccacaact ttancatgct cactgaaaag 360
 ctgttctaaa cgggcattgt ccacatccca tgggtagatt ccctacatat actccgaatg 420
 caaggtcata tanc 434

<210> 753
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-H3
 <400> 753

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 gatttcatgt gaagaatgaa gaaagacata tatacaatac aactgaatta agcaagaaac 120
 tccacaacat tgtctatcga tttcaatgtc ttctcgtagt aaagatagga ctcgtacacc 180
 tttggcgtcc gtacatagaa atccaactca ctcatgtttt cgacaagctc gtttgccgcc 240

tgaacgtaat cattccggcg actctccggc aagatgttca tggcgttggt gagattctga 300
gacagataag cctgtttcaa tcctatgtan aatataacgt acctccacga catgtggggtc 360
caacatctcc ctccanggtct cttaatcctt cagccgtctg ttttaaacgc gccgccgcaa 420
tcctcaaggt gaatan 436

<210> 754
<211> 162
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-041-Q1-E1-G5
<400> 754

tttttttttt tttattataa acattgtctc tactcaccat attcaacaga tatatagtat 60
atatcatgta catgtattaa ttttacctg aataaatcta taaaaaata tatattgcaa 120
cccccaataa tatgaaaaaa aaaaaaaagg gcggcctcga gc 162

<210> 755
<211> 397
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-041-Q1-E1-G7
<400> 755

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cacaggagga gcctgaagat tttctgaagg acaacaaca aaatggaaat ggaatataga 120
aacaccaaag aataaatatc aaacctatct caaatcattt tgatgcttat aaaaaatata 180
gtaatctaac actctcacia acccaattct tcttcagggt catggcccgt acctccctc 240
gttcacccta ttttaacctat gtttgtattc gatttaatac ctcttatag tcttatacta 300
caccttagaa cacaaacgca atcctcatgc ataacatagc tctcgtgagc taatattctc 360
gctctttctt acccaaatgg gtttctctct gattgga 397

<210> 756
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-G8

<400> 756

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cagtgtagca taagaagtta caaatgaaga acaaacttta tggcgtatatt gatcaagcgg 120
ccactggagt tttgagggct tcgagtatct tatcgtctaa ctcaaactta atctctttct 180
tgtctctgcc aatcttcaca tactcttcga atctctcctt gagatcttca ggcagattcg 240
ttttactctc ccaccctaata aagtccttag cggctcttgg ctctgcgtag aaatgcatgt 300
ttctgaatag aaaagccttc ttggcgtcaa cccaatggc tttaggggtca taatgaacga 360
tttcaacagt tttgcaacaa cnggaacaaa aaa 393

<210> 757

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-G9

<400> 757

tttttttttt tttttcatgg aaaagtctgt tacgcaagaa aacgaaattt cagagtccag 60
tgacaccatt ctgttcttgt agcatttggg acgtgttttag attacaacta actcgtaaga 120
gtaactttta aatgctattc ttagagagga agttctccac tgtctgcaat tacgactttg 180
ctcttaggag ttccgctttg tttgccctca gcttcaatct tataaactac atccattcct 240
tgcaccactt tcccaaacac cacatgcctt ccatctaacc agcttggtgt caccgttgtg 300
ataaaaaact gcgaaccatt tgtgtcttct cccgagttcg ccattgaaag tacacctggt 360
ccagttgtgc ttcagcttga agttctcaat cagcaaact 399

<210> 758

<211> 66

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-041-Q1-E1-H1

<400> 758

tagaactagc tcgagccggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc 60
tcgagc 66

<210> 759
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-H10

<400> 759

tttttttttt tttttttttt tgcaaaaact tgtaactgtg tgtttatatg aaaattgttc 60
caaaaatctc aacaaaaaca aaaaaannaa acctcaaagg agtgatcagt tggctcttagg 120
atcaggcatg gggaacaaac caccagcacc ancagctcct cncggcggag aaaaccctag 180
aaatttctgt anattgggtc tgatactaata tgaacacagc agatagagaa aagccatgga 240
acaatccgtc ggatcatcac ctttcagtcc cctgtgactc atcttcttca ctatcgtgat 300
cggatggaaa ggaagcttcg cgacgacttt accttcgaat agtgaattga gcaatccgaa 360
gacgacgaag agaaccagtg ccacaacggg gccggattt 399

<210> 760
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-F9

<400> 760

nnnnnnnnnn nnnnnnnnnn nnnnnnnaac aacaaaatac atattatatt ttaaacacac 60
attttggata ttattttaaga aactagnnga tactggacca acacacatat tatacattan 120
atattcgaga aatgaaaaac ttggcttgtg aaaacagaaa ttaaacatat actacaccaa 180
cgcatacgtt atacgtgacg gagaattaaa agcttcgctt gtgagtcctt gattacncat 240
taatatatat atacnagggg gctggagtgc gacccccacc atgcccactg cctgatggtc 300
ctgtaaatat gtctccattg ggtctanac tacgcatcaa nttcctccca ttacngcctg 360
gancgtggtc actcgttgat gatggng 387

<210> 761
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H11

 <400> 761

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnna aaataaaata aagcttaatc gaattataca   60
cgactgtgtt aagtatataa atacatagag cgcagaaaga ttcttatgac aaaaccaca   120
ccaatccaac tcccatagct caaagtaaata acaaaatcca aagaatcacg cagctctcaa   180
gaatatatca gacacggagc aaaaaggaaa gagagggaga gagattcagg ggcctcgagg   240
tttgaagaaa cagaggcacc cctgaaactg gtccggagct atcattccac cacctttgct   300
tgtgtctatg gcttcaagca gcttcaccac ctctccatc tccggacgcc tgtctggatt   360
cgggtcccag catctcttca tgaagtttgc caccg                                     395
  
```

<210> 762
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H12

 <400> 762

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naaacatcat catatcatac   60
aagagcttan acanaagctc caactttggn attacataaa gcccaaaaaa aggcccata   120
gataaccttc tgcagaagaa attctatcgg aactccatcc atgaacacat gtcgacaacc   180
gggatatacc acgtcacacg ctggatgaat aatcaagagt tttccggcaa caaccttcgg   240
cgttgagctg attccggtga natgattcgt gtgttttgca ccaagaatga aaacatcaaa   300
gctccaaatt aaagataacg gcttaaggaa tcntgataaa cgacgggaag aatcctcaat   360
ccttcaacaa aagagaaaaa ttctttgaaa ccaataagtt a                                     401
  
```

<210> 763
 <211> 402
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H2
 <400> 763

```

tttttttttt tttatgaaaa acacatgcat ataataaata aagagcccac atacatcata   60
catgatacat cgcaaatatg acaattgaca aacacatgca tataatagat aaagagccac  120
atacatgata cattgcaaat atgacaaaca cgtgacatgc atataataga taaagagccc  180
cacacatcac aaatgaaaca aattaacgtg catacattta ttgacgcaat ttcgtagcta  240
tagtgacatc agtgacttgg tgagtttttt gggaaacctt tgggggaagn agnaggntac  300
nnaaanggna ncttcnggga acaaaagggg ggaaatggcg gaaaatttgg cccccaaggn  360
ggaaacccgg gacaatgaat gggganaatg ggcccagtta aa                        402

```

<210> 764
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-H4
 <400> 764

```

anctgccggt gccggtcaag gtcanatctn gggtcgacga ccncaatatt ngngggccgc   60
ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngag cggattaaac  120
ttaatttccc cttaattttc caaagatatg acaaggaaaa aaaaaaacgt aatcaaaggg  180
gaaagtaagt caaaaagtgc cttttcgctg ctgcaaaatc ataggaagcc taaaatcacc  240
aacactgac cgtctcccat ctccgggtcg tagcgtaaac ccgccccgac cgacccatcg  300
ctccggcggtg taccgtctc cgtggtactc taagcgtcga agtcgtaaat cgctcttgta  360
gtcggattcg caagtgtcnc gtaagctttg tgaatcccca aaaaatctcg aacgtccgan  420
tccgaancat ccggatgaaa atactttan                                     449

```

<210> 765
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A12
 <400> 765
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 tttattgata aactcacact acaagtacaa atgcatacca aaagttgata catttatata 120
 tacgctcata agcaaactat tagattat ttttgacaca atacataata aaagcattaa 180
 tacatttaag taanggttta taaattcctt ttgggactgg ctgatcccgt aaatacaagc 240
 tgaacaagga gtatctctan aattgctcaa aaaccatgga tttttangtt anccttcttc 300
 acaagcccag cctgaacaag gaacgtagat acgttcttcc tctgatcacc ttgaagctga 360
 ataacctgtc cnaattcaga gtccctggacg acggtggcc 399

<210> 766
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A2
 <400> 766
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 tgggacgcaa gcgagaagtt tcaatacgat cctttgagtt actctttgaa cttcgatgac 120
 gacgacgagg aggatgaata cgtcggacta ggtggattac gaagcttctc gacccgattc 180
 gcttctgtcc cggtttactc aggtaaagct ccggcgattt cgccgacgtc gttgtctgcg 240
 ttgacgccgc gtaatgagat cattgaaagt tagtgggagc gtgtgagaaa cgcgtttgag 300
 tttctggcgg cggggaaaag gctgtcaaaa tgggtgactg gtttggttta catcggtttt 360
 gggagtctgt cgcgttttct tatttaataca ttctgtttat ataatacaact ttgaattaa 420
 ttaataatt tccaattta attaanntaa ttaanaacca aattttaagt tccccccaag 480
 cnaaatccc 489

<210> 767
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A3

<400> 767

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tttttttttt ttatgaaata tcataactgg catttaccgt acagaccaag aagacctcaa   60
aatagatttt tgggtctgtta cttttgtaag aacagaacat aagagaagtg aataaattgt  120
tcacaatcag acgagcgagt gtttgtgtgt ggtatcagag tcattcttca tcccttttat  180
tgttcttgta tgaaatgagt gtgttcgacc ttgtcaatca ctctcttgat ccaggtgaac  240
ggtacagcca catcggtatc agtaaagtct cccaacacaa cagacacacc ttatccaacc  300
gccaaagccc gattaatgtc tcctcctctc cttacatggt tcaatggaga caaaggcaag  360
ccaagttatg cnnggaagca acnttgnccc aattaananc ctggaaaccn ccccggtgga  420
ttccccctaan aactttcccc ctttg                                     445
  
```

<210> 768
 <211> 101
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-A5

<400> 768

```

tttttttttt tttttttttt gaaccaaaat ccaaaacact tantattgct tttttaggta   60
gcttcttatt aaaaaagcaa taataagtgt tttggatttt t                                     101
  
```

<210> 769
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-042-Q1-E1-A7

<400> 769

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tttttttttt tttttttttt tttttttttt tgggtagaaa gaattgcatt taagaagaat   60
gaatgaatat agtaaaacat ttttttacia tcagctaata tagaagcttt gaaaacaatc  120
caatgttgat tttttccagt ttgacctct gaagcttaag taactacgag ttgagagtgt  180
ccaagagatg gacaaggaga taacagaggc acggaaaata ttcccatgtc tttactgtct  240
  
```

gctccgtccc aaaacccctt ccaacttgat ggcgttaatg gacaagcatc agcctgaacc 300
 tgagcttctt cctctttaac aagctttacg gctgatcagc tggctttcat cctccgtcac 360
 ctgtctcttc ccccttgggt ttaaagaaat aagcctcctg gtgtcccca agtcctcaag 420
 gcttcc 426

<210> 770
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-042-Q1-E1-B4
 <400> 770

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 agatgactaa cagttacgct ctgtcaccgg cgattatcgc cgccgttcgt cctccggcat 120
 ctcaagacta tcnagttgct gcttctctta gtggacgcaa atcgatcaac tcttcatctt 180
 cgtccatttt cgtacctatc tcattatcta ctctctacgg tcgaagcana tgcagccttc 240
 tcaatctcgc ggaagaatcc aaagtcgacg attcgttgcg aatattgcng tgaaaaatcgg 300
 cgggnttntg taaacncnng acgctgatct aaccgtcaat ctacgtcngt tgggatnact 360
 ggangannac gataaaagcc gaaaggagaa agaatgggaa gctanggggtt aatgggttaac 420
 aggttcccgt ttgaaaaagt tnaacaaagg tggg 454

<210> 771
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-042-Q1-E1-B8
 <400> 771

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 attagttcac cttggagtgt atcttgtgtc atctccatga ttttcttttc ttctctttg 120
 ggtttgaggt cctcaagat cttttgccat acattcatc gggtaaaatc ttgtgaaaca 180
 cacacccatg agagcccatc aaactgatgt ttaacatcct catgggttaaa aacctgttta 240
 gcaagtgtgg ttttacctag accaccata ccggttatgg aaaccacttg aacgtttgct 300

tcgtccacca aaatatccaa ccaatcttct taacaatttt gctccaaac cccacaaaat 360
 ccgctggtcg tccgtcctta gaaaaatttt tgctgcaacc tccctttggt aatcaccttg 420
 aaggttgctt atacccacc 439

<210> 772
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-B11
 <400> 772

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncca aaaaaagaaa acattatcta 60
 ttactcatta cgcaaaatgt gataaaantc tcaaaagtta aaaaaacaat tacatagggt 120
 aagattttcg gaataatacg ataaatggag ggcatttcta gaaatattac atgctctctc 180
 tcttctctga cagttacttg agaaaatgat tgaagtaagc caaaaattaa aggaaaactc 240
 caaaagtttc caaatattta atcttggaac ccaaattttt caaaaattgc atttcgaacc 300
 ctactcagat ctcttctctt caatgtcttc ncnanncctt catgaancga gaacgaagcc 360
 attctcgtct tcgccanaa 379

<210> 773
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-B2
 <400> 773

nnnnnnnnnn nnnnnnnnnn nnnnnnnnagc aaaggacata taattacata ttcagcgtag 60
 tctccactt gaaaatatag gtattgagcag catttagtgc tcagaaacga agataccggc 120
 catacccatg ccagttccaa cacacataga ggtcacggcg acccgcttgt cctggcgggcg 180
 cagctcagag agagcagtga cgacctggcg cgcaccggtg gcacccagag ggtgaccgaa 240
 ggcaatggca ccaccacggg ggttgacctt ggactcatcc agagcaagct tgttgacaca 300
 gtagacaccc attgaggaga aggcctcggt aatctcgaaa atatcaatgt catccttgct 360

caagttgaac ttgccaangg tcttanggat agccaagaga t

401

<210> 774

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-041-Q1-E1-B3

<400> 774

nnnnnnnnnn nnnnnnnnnn nnnngacaat tcataat tttt aattaatcat aacagaacgt 60

taatctctct acattagcct gcctgcgacg gcnatctcc cttactttaa cgtttacact 120

ttaatatgtg tcaactctaat caagattaga gctcaciaat cacagttttc aaatattaaa 180

tcctataggt aaaatcatag ccattattac tatttaatca aagtgagaga aaacgcttat 240

ttaaccaaac attaatatac ggggttaaaaa gaactaatcc tttcctttcc ttttgaacag 300

cgggttaaaaa gactattcaa gaagactaac attacgtata aaccatactt aagattttac 360

gaaaagtcgg actaatgatg tttgaatccc ctcgagtgtt cc 402

<210> 775

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-041-Q1-E1-B9

<400> 775

tttttttttt ttttttttta ggggtttctat agtactgaaa ctcatggaaa aaacacagta 60

caaaagatgc tatattctaa gacattgnag aaccccaaaa ttaagagaga acataaatta 120

tgcaagtaga aaacaaaccc agtagaagaa agccaagacc agtttttagtt tcgtttgcct 180

cgaaggacac ctttactacg acgattcttc atccccagct taaacttctt cttcaacttc 240

ttcccaatag gtttttagcga cttgtttttc ttctcatcat ccatttcctc atcactatcg 300

ttggcgattg tagtggaggc aagatgcaga ctgagaggaa ggcgtcgcaa cttccataaa 360

cggagaaaact ggggcttgac gaactggtaa cttcgga 397

601130 "the seed"

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-C11

<400> 778

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gaaatggata cgacaaaagg catcaanntt cgcctaaaat taacaaattt atttgaagtt 120
gaaaatcgac attgcttgat tttgtttata tcaatcgttt aaccacatag catcatanac 180
ttaattctcc aaacagaaat canatataca cacataaagg cttttggatt ctcttatagt 240
tataaactgg atcacatcac tgaagcatcg ttttatgcct ttcagttgtc gccttgctc 300
agtanacgca atatgggtca agannanatt gaggatgtcc aagttagaag aagctactga 360
nngctaggga tgtatccgtc nt 382

<210> 779
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-041-Q1-E1-C8

<400> 779

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attctagtaa aaataattaa acgttacata aaattacact cgtagatttc acaccaacac 120
atcttctatt gagaagattc tttttcaatg tctggtatag ggaagtttta ctagcttggt 180
ccataactcaa gtaattccca cctgaatggc tgaaagacat atagcacttc cgggcaactc 240
ttgaacaaaa gagcgacaca aacgcaaacc gctgctatcg ctaccatcga aagcattgct 300
ggcctgtagg caacaagact tgtggtgcgt tgtgacaaac acacgtttgt gatcacagag 360
cttacattgg gtttatctgt gttatctcca agcttgaag 399

<210> 780
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-D11

<400> 780

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 ttcataaaat tctaacgtaa aaaacaatca tattgtgaga tggttttaga gaaagaaaca 120
 aagttccaaa agacacattc gttctcaa atcaaaggtact atgtaacctt aaataagacc 180
 aaaaagaaac aagaaagtcc ttttcaagga agatnagatn cagcagcacc accaccgaaa 240
 ccaccaagct ccacgaccaa acccttgct agctccacca agctccaccc ctgaagccag 300
 gctggtaatc agcangtgct ccagccttgt caccatactc tccacctgat ttaggacctc 360
 cacggtatcc atctctgtca ccaaaacctc ctctctccat 400

<210> 781
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-D2
 <400> 781

tttttttttt ttttaagattc aagggttttag agcttcacat acgaatgttc tacacttgaa 60
 acaatgaatc caaaccacaaac tacataagta gcaaataatgt tcaccctacc cttgaaacaa 120
 cactattctg caggtcataa atcagttggg gaatcttgta gctcttctca cccacgggac 180
 catcgaacgc tgctgctgat gagatccagc tccattgttg cctacattgc ttctattgtc 240
 tgcaaacctt ctcatctctca ttctctcttc cttcatgttt gcaaaccgag aatccagtgt 300
 ctgaggccat nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn ttccgacaaa cctcttttgt 400

<210> 782
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-D5
 <400> 782

tttttttttt ttttttggca cattaaacca gattctcatt gatgcataat gaaatctcaa 60
 cttacaatgc ttttctgac tatgcacna agataaaata gtgttttaca gtagcatcgt 120

attgaaccaa ttgatccagc catgtggtgt atgtcagcca ttacttgttt gcgttcccta 180
 ttatcgggta gtgtccctct ttaggctcgg tttgcctccc ctagtatctg attggtccat 240
 cgaggctgcc tgtagcaaac tgttgaacta ttggattagt tgagggtgtg aattcatgtg 300
 tcattccttg ccaaacgata tttccttcat acagaaacaa taacctgtct acagctcttt 360
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<210> 783
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-041-Q1-E1-E4
 <400> 783

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 agcagccagc ttgaacatga ccaccgtgtg tttccaattt taccatcgt gagctactta 180
 aatcacatat ataccctacg gtggcttcac cgtatccagc caacgccttc ccgttgccga 240
 tcacaatcag catccccggg ctcaccgcta cgtaagtaac attgtacaca tcagcagggg 300
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 cgtacaaatc cccaacggcg accaagtcgg aagggtctaac g 401

<210> 784
 <211> 244
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 784

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 nataacttac agacataaaa atcaactcgt ttttaaactt gaatctgaca acaaccctcc 180
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ctac

244

<210> 785
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-F1

<400> 785

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tctcttgacc aaagttaaaa acacacaaca tttgaaacat gacaaactag atgtacttga 120
agagcaaagt gaggatctaa cttccgaaga cagcgacttc gagattcttg gcggagtcaa 180
caatggaagg aggatcaaag cgagtaaaga gcttataaga ggagattaga gagagaacga 240
tgtagaaaca aaccacaaag aatgtgatta taacagaagc agtggctcta tgacagaaac 300
cgccatagga gctacatgca tcgctccaag taatggctga gtctccattg taagccaagt 360
atagaacctc agctgataca gctccagcag caagaaccan 400

<210> 786
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-041-Q1-E1-F3

<400> 786

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aatcggttac aacatcacga atctgtaata tttgctattc gtataagcaa aatgtacaat 120
tcacatcact aagacagatt acttaacgaa gacgtttagt taccttattt ttcttcgctg 180
ccgtttcaca cactaacact acaactagtg gtaaactgat acttaacggc gttgtctccg 240
acgataactc cgtttagcttt gttacccgaa gtttatatat gctggacact tcacatgaag 300
atgatacttc ccggtgataa aagtcccaac cttccaactc aactcctaac atcaagcacg 360
aaatggattc aacaaaaacg aacaccgttt atcctttatc ggtgtcaaag 410

<210> 787

<211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-F6

 <400> 787

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aagacaagtt ttactttatt catacaatat ggttcacaga catttgga   ccataccaaa  180
cagactgata aaatctcttt taagcaaaaa gaatctgaga attcgatgga gttatatctg  240
cataacgctc cggcgactca acaacctccc acctcacagc aaacttattc tccgactgcc  300
aaatattccc aaccgcgaga tgaagattcc taccaaccac atatactctg ttcccataac  360
agttaaccgc aaacggtcta caaaatctgc tcangcaa                               398
  
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<210> 788
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-041-Q1-E1-F8

 <400> 788

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn  120
nnnnnnnnnn ncaccacacc aattattcgc ataaatagta tagatatatc aaacgatcca  180
attcggggttc agtttagaaa ccgtggatct tgatctgata cttcttagca atcccagttt  240
ggaccaagaa ctgagacact ttcttctttt gatcaccttg aagctggatg atcttgccta  300
gttcttttgc ctgcacaacg ttaccgttgc agcagaaatc tttcttcaaa tccttgagaa  360
tcctctcgta nctgtactcn ttcttaagcc cttgga                               396
  
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<210> 789
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-H3
 <400> 789
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 aaacatatan agtacagacg aaaaagttga tatttttanac atttttanta aagttaaaac 180
 aagaagaaga aagaaacaga catgaaaaca taaacaggtg ctgaagcata cgaatctttg 240
 tttagcccat ggcatacttc tgagtccagt ttcntgcagt agcctcgtn ttggcnctgt 300
 cggttttgna cagngtgtgc aatctctggg ancaaagggg tcatccggga tttggatctg 360

<210> 790
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-A1
 <400> 790
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 ttacaaaagg ctagtactgc attagaaatt ttgaaggaag tgcttgacgc agtcgattct 120
 caaaatcctg agggggcaaa agatgagttt actcttgatc ttgtcgagca atgttcgttt 180
 cagaaagagc gcgtaatgca cctcgtcatg acatcgaggg atgaaaaagc agtttctaaa 240
 gcaatcgaat tgaatgagca acttcagaga attctcaata gacacgaaga tttgctgtct 300
 gggtaaaatc actgttctta acangtctaa cacatcaa atggatatcatt ccaatctcga 360
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<210> 791
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-A3
 <400> 791
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tccaagacag gcgaacggta gaagcattgc cgtgagtga ggcgggcgag ggaagacgat 120
gacgatgacg acgatgcgga aggaagtgc ctttagaggt gtgaggaagc gtccatgggg 180
tagatacgcg gcggagatcc gtgacccggg aaagaaaacc cgggtttggc tcgggacatt 240
cgacacggcg gaggaagctg caagagctta cgacaccgcc gctagagagt ttcgtggctc 300
caaagcaaag actaatttcc ctcttcccgg agagtctact acggttaacg acggtggcga 360
gaacgattcc tacgtcaacc gtacgacngt gacgacggcg cntgagatga cgcctcagan 420
atttccgttt gcatgtcacc gggga 445

<210> 792
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-B4
<400> 792

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cgtccacttg gacaatctta atcacattgg gatgtcttat gcttcatgca tctttgtccg 180
ctgctcaact caccctacc ttctacgata ggtcatgtcc taatgtcact aacatcgtac 240
gagaaaccat tgtaaagag ttaaggctcg accctcgtat cgctgcgagc atccttcgtc 300
ttcacttcca cgactgcttt gttaatggtt gtgacgcac catcttgta gacaacacga 360
catcatttcg aacaagagaa agatgcgttt ggnaacgcaa attcggctcg gggatttcca 420
gtgattgata gaatgaaagc tgcggtggan aaggcatgcc caaga 465

<210> 793
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-04-Q1-B1-B6
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 ttgaactgtc tgaggctcaa agggcacatg catcagccat tgaagatttg gttcctggcc 180
 ttgtagctgt gaagaatcaa gttagtagtt acatggatga tgaacacttc tggctgattt 240
 attttatttt gctgatgccg agactgaatg ggcattgatt tgaactctta gcaacatgca 300
 aggtatttga aacaagggat caactttttac taaagctgca aaagaaagag acagggtcaa 360
 gcaagagcac tactggtcac gaaactcctg aagaaggtag cagtaggga 409

<210> 794
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-04-Q1-B1-C1
 <400> 794

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 tgaaagattg aagaatattc cgatgcttat tatgattcct ttttgctgtg tcttttaaatt 180
 ggagcaccgt tcagttttat ttcgggtggtt acaaggattc attgtgcatg gtttcggcga 240
 tgcattcctc accggattcg gtgttcacg gcggcgaagg ttgatgtcgg tacacttccg 300
 atgactcttc atcttggtgt gcagttgtaa tatcacgtgg acacgtgtat tggataaagt 360
 ccaaagtgtc aaacatcttt atgccgtaaa tgtaaatcct aagggttaag tt 412

<210> 795
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-G4
 <400> 795

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 gcttggttaac tctaaatgac caaatggatg aaagagcaac aacatggtga tatgatatac 180
 acatgtatta tgaaacttgg tctcaacaag gtaacttgaa acccatgtaa cgaccagaga 240

cataatcatt ccaaacatca agagctccat agcttgtcat caacacaata ctcaatgcca 300
 tgacgatacc aaccgagaac acaatgatcg aagcccttcc atactcgggt tattaccttt 360
 tgaanacact ttantccac gaatggtgcc ncaa 394

<210> 796
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-C3
 <400> 796

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 ccttctactg tacgtggaat tcctgatgtc agcattaatc ctgattcaaa atctgctgag 360
 tgtccttttag aaagtttgga gctccatctt gcacattatg aagttcctgc tcctgcgcct 420
 tc 422

<210> 797
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-C4
 <400> 797

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 ccctagcggg aaaagttggc aaaagaatgg acagcctcct ggtgccttta gaattgctat 180
 gttgcgtgtc tcgtaccgag ttctctgaca agaaagcata cttacgctgg cagaaaaggc 240
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gtccgtaagg caactgacct gaagagtcct ctgctaagga ttgaagaatc agagtctctt 360
ccatcctcaa ctggagaagt gcaaagagca gaatgtttaa aatctcttag agaagttgct 420
atctcacttg ctgagagacc ggctcgtggt gatttgacgg gtgaa 465

<210> 798
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-C5

<400> 798

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ccgattcggc tcgagcggct cgagcccaat tgcacagca gtctctgatt cgacccctc 120
atgggctgcc aatgcccac tctcttcagc aaccctgca atatcctaac tttaatacc 180
ctcctccacc tactgggtca tcacttttgc aggggtcaag cttgccagaa gcacnctctt 240
cattgtttcc ttttantacc agttcncaaa tgtagctcc tagttcattg cttttccctg 300
ntctaccacc tgtgacgctc tcgtctagcc tgcaagtcta cantggcaat caagcancat 360
ctccttcaag nagenttcag anatgggaac tccgttgctg tnaaacaaaa gccctatta 420
ctgntcctcc taacctaaact caaggtaata atttgcnttt c 461

<210> 799
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-04-Q1-B1-C7

<400> 799

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nnnnnnnnnn nnnnnnnnnn nnnnnnn 87

<210> 800
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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 <400> 800

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 aatccaccaa atttctcaag atcgaaacat ataattgaag atgagcgacg tatttgaagg 180
 gtacgagcgt caatactgcg agctctcaac caatctctct agaaaatgtc actctgcac 240
 ggttctctcc aacgggagagg agaagaaggg gaagattgct gagatcaagt ctggaatana 300
 cgaagctgat gtcttgatcc ggaaaatggg cttgaggnaa agaaagtttg cancccgagt 360
 gctaanaccg tgtgtccttc taaactaaga gagtataaat ctgatctgaa ccaattgaag 420
 aaggaattca aacgaagtct cttccgcaga tgctaancgg tcttc 465

<210> 801
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-04-Q1-B1-D5

 <400> 801

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 atggaaagct tgttgatcc tcttttgcg tccattgatg ctatcaaaaa gattcaagaa 180
 acaaggaatc tcaggaccaa agtacaaaat cttgtacgga aacctcagcg agataaagaa 240
 gatgaagaaa gaagctgacc tttgtgttct gggatccaat tcnaatgata tnttccctcc 300
 gtgtgtttcc ccaagtatca acaatgggat gtctcaataa gggaacgttt tccaaccaac 360
 cntgnttttt ttttctctct ttcanaanatg aaggttactt aacacacaca taagt 415

<210> 802
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-E3

<400> 802

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gctactactc agcagcgaga atctcaatct gtctctcctt cgagtatttt acaaaaggct 120
agtactgcat tagaaatttt gaaggaagtg cttgacgcag tcgatttctca aaatcctgag 180
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gtaatgcacc tcgtcatgac atcgagggat gaaaaagcag tttctaaagc aatcgaattg 300
aatgagcaac ttcagagaat tctcaataga cacgaagatt tgctgtctgg tanaatcact 360
gttcctaaca ggtctaacac atcaaattga tatcattcca atctcgaacc tgtccgtcct 420
atctcaaatg gggaccaaga aacgcgaagc taaan 455

<210> 803

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-E5

<400> 803

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ggatattcat cccagagttc ctaacgaaga tcggaatcct caacactccg tcatggtaca 120
cggcgggaga gcaagagtat ttcacggaca aaaccacact ctttgtcggt gagctcattt 180
tgatcggatg ggcagaagga cgtagatggg ccgatatcat caagcccggt agcgtcaaca 240
ctgaccacgt cttcccaaac aacaaactga cgggcacaag acgttggtta accaagggtg 300
gttatggttc gaccgttggg gttggggatt cgggagncgc gcgaagctga angatttgng 360
gaacnagggn gatnaaagaa cgggaaggnt ggctaagttg gcaattgatg ggtgctt 417

<210> 804

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-04-Q1-B1-E6

<400> 804

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ctggtttaag actggtgctt tgcttcttga tggaaacaca ttgaactact ttggcaagaa 120
catccctatc aaccttggtc tcgccgtagt tgctgaggtt gttctcctcg gtggagccga 180
gtactacaga atcaccaacg gattggattt cgaggacaag ctacacccan gaggtccatt 240
tgatcctcta ggccttgcta aggaccctga gcaaggagct cttcncaaag tcaaangaga 300
tnaaagaacg gggagaatan ccaagtttgc caanctcggt ttccttaacc aaagcgtntg 360
ttaccgggag aangtcctgt tgaaaacctt gcaaancatc tc 402

<210> 805

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-B11

<400> 805

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atatcttggtg tttgagtttg agtttgatgt atcacacaag attagcataa attatttgctc 120
tccttctctg gctctctgca cccattgtct cgtcggtttt cttggatctt gcgaattcgg 180
cttcctttca ttgacagtag gtccccggcc tctgcttctg cctctgcctc tccatctccc 240
tcgacctctc ctggttggtgg agctgctaga gtttgctctc gattcagctt ctttggggttc 300
ctcntctcct tgntcntggc tttcaccagc ttcntcttcc ntcgtttcgt gacgttgatg 360
catgagctgg ggggaggaag atacattc 388

<210> 806

<211> 377

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-B5

<400> 806

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 ttagcacagc gcggtggaac tatctttccg cgctctcaga aattcaacac tgaaagaata 180
 actctcgctt cnttttctct ttgctattac atgattgata catccagcan gacaatgact 240
 aaagagatag tcntttcacc tctctcattc cctcattcgt tctctgtcta agttacangt 300
 anactctctc ctngaattctt tnttctcant cttgcanatc ttctggctan tccggaatat 360
 caccgccttt tgtcaan 377

<210> 807
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-B10
 <400> 807

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 taagtactat taaacatgaa gagagaggat atggatcaat atatctacga gtttaagtgc 180
 ttgaaattaa ctgattaggt aagaccctac tttgtggcat ccttagcctc tccngcttta 240
 cctccgcga actctgccgc cttgtttgcg gcttcttttc ctttctctc cacatacgcc 300
 gcagctttct caagcttctt tacccaatgt anctgcggtt tcaactgtttt tttcaacaac 360
 gtagtcnttc gctttcgcac caaccggct 389

<210> 808
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tcggcgtaga cgccgttgtg cttgtaccgc cggtaacatc aataacaaaa ctcccgccat 180

ttttcaaact gatcgacgac gatgcagaaa ctgcggtggc tataccgtct tggaaaagct 240
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 catggcttcc atgtgcaacc gtcaggtcga ngaataagcc acgctccggg gacttgaccg 360
 agtcaccccg gttcgaacca aggagatggg acgaa 395

<210> 809
 <211> 137
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-039-Q1-E1-C4
 <400> 809

tttttttttt ttgcttttaa ctcaaataca ctaaaaatga tgaaacaaca ttcacataca 60
 ccacaatgct cacaacaat atagatacaa taagaggctt tgtgagttgg ggaacataaa 120
 gatgttggtg ctcgagc 137

<210> 810
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-C7
 <400> 810

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 taagaatata ctttcttgag aaacgtatag agagaaacag gtccctagaa attgtataca 120
 ngaacacacc acattttgat attnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn ncttggttcc cactctccat caacagactc tttccacact 240
 gtaacgttat tgttcccatc ggaaacagcc acaaaattac cgggtcaacga ccacgangac 300
 ccgccacact ggggtgttttg aaatcnttca aaacagtacc ttcccattgc tcaacttcc 360
 tcccctaagg tccaataatg atnactttcc atccttctga anccaa 406

<210> 811
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-D11

<400> 811

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaca aatataaaaa caaatccaat 60
gcataacaat aaaacaacgc aaaagaagat tctgcttgat cttctttcct gtcctataaa 120
gagttgttgc tagatgaaga actagagaga aaaagattca gttttaattt tccacctata 180
aattgttcaa aacataaaca acaataaacc caaatgacaa cgcagatcca gaagaccccc 240
atgtagaaag cangtgagtt ccaagaatat ggcgaggaaa gaaacttaca attaanggga 300
aagaacagag nccttanctt tagccacnct tngaccggtt ccgagttcnt cttcagctgg 360
tttttaacng naaagcgcaa tgggggtgga ctttcc 396

<210> 812
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-D3

<400> 812

tttttttttt tttttttttt tgaaaacaaa gttcttttta ttgagatatc tgaattaatc 60
agactgaata caaatatggc aatccggagt aatgaaacca cgcacttggc ttgttttatt 120
caaaccataa ttattcactc taagttacca ctgagtanta tgcagcaatt actanaaaag 180
taaaaacana acaaacgata cttagcctat aaacagaacc aaaccggttt agttgttttt 240
ggcggcggttt tcaaacgacc aagctccaaa tatcgtgacg ctcaacggca cgtcccatgg 300
aaccagcaaa accgngtac atgttttgaa gaagaacttc attgagcact cngggagctt 360
cgatnaaang cccgcttaag gttccttaac ggttttcaag gccgaagtgg aa 412

<210> 813
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-D4

<400> 813

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gaaaatcccc acaataaaca ctaaacaat ctcttttttt tttagggttc cttctttttt 120
tgttctcatc ctttttccac acaaaagaaa aaatttacia catagtaata atgtagacat 180
aacttgcgaa aagagataat gggaggagag gcctcgtttc cttctggtga tactccttag 240
cattcacacc ctgtagacct ctgttgantg ctgcgcccta catcgattgt gtctggcaag 300
tatagttctt cttcttctcc gctcttcaat gngtccttgg naatgcattg gaaagcntcc 360
tccacattag gtaccgn 377

<210> 814

<211> 211

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-039-Q1-E1-D8

<400> 814

gacagggagt aaaggactcc tgaccacacc cagtaatgat tatgtatcca aaataataaa 60
tgtatacgat gtatgtataa gatggacatg ttccagtatc ttaccaaaaa tataggagac 120
ttttaatgaa aagtcttctt gtttaatttt atgaacttta tgattaataa aaggagtgtg 180
tttaataaaa aaaaaaaaaa aaaactcgag c 211

<210> 815

<211> 368

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-D9

<400> 815

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acaaatcaaa ttaacaaacg cagcccaatc aatataagat gttgacctta taactttcta 120
tgttgccata ttaaacccac attaagcaaa ctaaagaacg tcattacatc aaataccata 180
tttcatttgt ttccccatcg agatgantag agatcacatg catccgaaaa gctttttggg 240
agcggttcca gtggcacggt acttggtgc naattcctct gctttgagaa tttcttctcc 300

acgcttagct tcaancatcg ctctcttctc ttengcttcn gttgngaagt tgagctattt 360
tgttcgnc 368

<210> 816
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-E12

<400> 816

tttttttttt ttttcattga aaaaataact tcaatctaag caagtagcta cacaaagaag 60
aacagaatca ctatcagcat cacaaagaga agatgacact tctacactct ttgagtttct 120
tttttacaag tgatcaaaan ggataaatag agaaaaacaa anacaaaaca aaaantccaa 180
acatgaatca ttcacatcat tcagacagac atgtgcaaga tcaaggagaa tcaagantct 240
cagttctgct tctcacaatc cgatggaaaa cttctcttac tttcctctca aagcggatcc 300
aagccatttc tcaaagcttc acgaacttga acaagctcat cagnnctctg ttnactcaa 360
ngtccggtgg cnacagtcaa cgggga 386

<210> 817
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-039-Q1-E1-E4

<400> 817

tttttttttt ttttttcata caattatact ccattaatct ttcactttta cacacaatca 60
cccaatatgt aaacaagaca canacgacn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngagat gaattgttac aaagatacan 180
attcaataaa ggcttangaa acatccacac gttgcctttg gtactacacc agtggctcta 240
tacttagcaa ccatttcttc agctttgana aagctcttcc ctttttttaa gcttcaacca 300
agtgcgctcc ttctcttctg cnaacttgtg ggantgcaag ctacnttgtt cntcaatttc 360
ctcaccgtac tgcgcctttt tentt 385

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-E7

 <400> 820

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 ctgagaataa accataaaat tctcacagt accttttgag tttttttgtc tcatgcttcc 180
 tggagaagag gcgcagcggg tgatttctctg gttactgcat caggctcgga atcttcgtta 240
 tatcgatcca nactattcag gaaaatccn atggaccaa ttgcancaag ctggaaagag 300
 aacgactgta anaacaagga gaagtcactc nccaattgtt cacgtantcc ngannaactc 360
 canngagtgg tgangaaggt tcatctccaa agntcc 396

<210> 821
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-F1

 <400> 821

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 ttcanaacaa atcatccgag aaacatgagt agccgcagta ttattattcc atccgtacag 120
 ttttattatt cgttctcgct agtagctacc caaaaaattc aacaaattgg aaaataggaa 180
 ataataaatt caataanaaa atagnngtaag taaatctctg agaggccgct ttagttgtgc 240
 ttgccatcgt taaactgtgc gtttttggac gacttgaaag tttcaagaaa ctcttttagcc 300
 ttttгнаact cttgcttctg cctcgacttg tcccatttgt gttcacttgc tagaatctcc 360
 ancacacgct gnaacgcccg aggcgntgga acagt 395

<210> 822
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-039-Q1-E1-G2

<400> 822

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnntcata cacgcataca taagagaaca ctgaacacct ctttggccta caaaagcaaa 180
aaaaccacca cttcatgcag tctaaacgac atcggttaag ggtgggtact ctgttttctt 240
cttctcttct ctttttcaan acttgtgttg tgtgttaaga gatnacatgc cgtaagtagg 300
aggagagctc cctggncaan tctctgatcc tctgctggc ttctcgaaag catcccggac 360
gtcgaccgtc tccctaaaac cgaaaagggg tcccttcccc ccnggc 406

<210> 823

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-038-Q1-E1-C6

<400> 823

cgccgnccgg cacaggtcca aanacnnntt cncgggtcna cnaccncacn atncggcggn 60
cgncnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagagagac 120
gattgccatt taagaaagaa accaaacatt gaaacagaat aactggagg aacatatact 180
atataatcag agaaggtaga tttatttgat atatattagc taatacttgt tcaactttctc 240
nggaacaagc ttgagatgct gcgacttggt catagcaaga ccagtcanga catccatatt 300
gatatcatct ggtttcatcc cattaggaag tttaaagttg aagctgagga gaagggttcgc 360
ataaggaacc tcaagcatcg cgcccccaag acgcattccc gggcacattc tccggcctga 420
cccgaanggt ataaactcgt agtccgtgcc tttgaaagtc aanttcc 467

<210> 824

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-038-Q1-E1-D12

<400> 824

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tatacgagtag tattccgggtt agaagaatcc ggtccgtatc atgaaccaga ttctctttct 120
gtagctctcg gtaaataacc taatcacact aatgaaactc agataactaa acttccccat 180
cagattagag atactctcat actcctgagg attgacatct aggctagttt actatccggt 240
ttgtaacaaa accgaaccgg ttgattactg aacgccggac aatttagccc aatctacaaa 300
ttgcataccg ccatacacat tgtagcaaaa ccggactccc accgtgaatg ccatagcgac 360
cacaggggat acgtttgggc gnctg 385

<210> 825

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-038-Q1-E1-D3

<400> 825

tttttttttt ttttaatttg gtattgattc ttgacattat tgagtcaaag tacatgatac 60
aggaaagaag gaaattacat tttatgcata cgtgtcatat aatcaaaaga acaaggagta 120
gcaatgaaat ccatggttgt ctttattctt gatcttccag agatttcttt agctcttttt 180
tgttcacctt tcccatggcg ttgcgaggca agctctccca tatcagcaat cttgttggtta 240
gcttgtaagg agcaagcttg tctttagccc aaccgcacag ttcttctaag gttattacag 300
gttttgactc atcctctctt ctcttctttg ctgcactctc tgctataatt atcgcagtca 360
cggttctctc atagtccgtt gtctgttaac cccaacacgc aacattc 407

<210> 826

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-038-Q1-E1-D4

<400> 826

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nnnnnngagg gaaaatcncg aatctgggta aaaggaaacg ttataaattt agtaaacaac 120

acgcgaatta acatttcggt ccanacaaag aagacttaaa cgaaactggt tcatcaaaaa 180
 agtaaaccac acgaacgata accaaaccag aagtggngac acaaaaccac atctaaacca 240
 aaaacagagc agcagcacgc aaacaactcn atctttgatt accanccggn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttcgtaacct ccgctaagtn 410

<210> 827
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-D7
 <400> 827

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 aaaaaaaaaa attggaanan ccgccgaaat tgggccccat tttataagag tcngaattat 120
 aggataaaaag caacaaaaaa aaaaacttgt aaattattag agcgaagaac aaagagtang 180
 aaatgataag agtttganac gaaagaacaa nagatagaag gaagaagaca agacncccn 240
 cgatnaaaaa ccaaaccaca cgttgttcnc cnaagccttg tttgcaatgt tgttanagag 300
 ccagtcaagt cccccaaaaa gcccttctcc ggangtagca catgtgcccg gtatgtacca 360
 agtgtccntg acngaaaaga gtgaaatcca agcttancg 399

<210> 828
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-038-Q1-E1-C3
 <400> 828

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 aaaaaacaaa ataaacagaa aaagcgttct ggtttataca ataagcatac catatgtttt 120
 tctccaagct catctacaaa ctgatgcgaa taactggcag aagctcaaga ggaactttct 180
 tatcaacagt gagatcacca gtttcttcca tgtccatata tttcttcttc tcaggcatat 240

tccaatcaaa gaagtagagc aaattcaaga gcccattc aatgggtgcg atcgccatag 300
ctattcctgg acaaattctc cgaccagaac caaatggtaa caactcaaag ctatgtccct 360
tgtaatccac aggacaatca ataaacctct ccgggttaaa ctccctca 407

<210> 829
<211> 92
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-038-Q1-E1-E1
<400> 829

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agcatccaag gtcttttagt tgaggtttct tc 92

<210> 830
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-038-Q1-E1-E3
<400> 830

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tcgcatcatg cataactcaaa aacattttgc taacaagaat tccacaaaat tttgggtctc 120
acattcccta agcaagcttg ttttattatt gggcctatag gcccatgcta ttttttttcc 180
ttatttatgc ttgcagctca tttataacct taaaaataac aacatactac acgctgaaag 240
cgcattaatt attccttatt actacaacaa gttcccaatt tttaaatacg cttacataaa 300
aagcccacaa gtctctaagg attagttgaa attaacttca tacttagact gtcgatctgg 360
atgaaacaag tccccaaaac ttctcaaagc ttgggttcct tcttant 407

<210> 831
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-038-Q1-E1-E7

<400> 831

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aaacgatgtc tgggtttata accctattac attgaagtaa ctaacaacaa gcactacaat 120
ttttgaactt attggttgag aattaagatc tctctactat tcctcggtaa caacaacacc 180
aatctcgct ctctcaagca aatcatagaa gactcttggt ttctctgtc cgttccagt 240
atgcatcttc catagcccac cagccgctag tcccaagtgt gagaccaata actaactcct 300
tcacaacact tgggcctttt aaagttgcgt gtgctatctt gtgccagcc atctctttgc 360
cactctcact gaaatccaag aaaatgggta tacccaattg tata 404

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<210> 832
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-F1

<400> 832

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ctcaaattt ttcaagctca attacaaacc aagatgcaac aatgaagttt tataaagaaa 120
gaaatcaa atcaggatctgg acttgaatgg aatggctctg atgacaagtt ggtggtaaag 180
agccgcaaga gctgctccaa tgaatgggtcc gaccagaat atccagtggc cgtcccaagc 240
gtggtccttg ttgtagatga ttgcagctcc aagactccta gctgggttaa ttctgttcc 300
ggtgattgga atcgctgcca agtgaaccaa gaacacagcg aatccgattg ggagtgggtgc 360
caaaatcggg acgtgggagt cagagcgct tctctgggg tcagtggc 408

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<210> 833
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-F2

<400> 833

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tttttttttt ttttggataa catgtagtac cgtcacgaga ttttaaacct cgtaattcgt 60

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aagtaatgac caaattttta catcatcgtg ctactagacg nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntct ccaagaaact tgattgatac 180
 tgaagcaata caagcaaca aactatcaac gccgccantc cccacggnga gcttccancg 240
 tcacctccgg ctccgggact cacgtaagtt gtccgacgac tgcttgaaaa catccccgag 300
 aagcgcatca aggttctcca tggaagataa ccaacggacc aaagactatt nagaacaga 360
 ggaatcaaga gaagcgcaaa atttatctgg ctctccgct gaatccggnt ggct- 414

<210> 834
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-038-Q1-E1-F5
 <400> 834

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 aactttcaag atttgctaca atgaatctaa gtcagagca gaaatgtgaa catgccttct 120
 cagatattca gtaatcagag ggtaactagt ttcttacaaa gaggaattct gatttaagag 180
 actgagaaga tgtagagaag agttcatcat ccaacagatg cttgagtagc tttttgtgtt 240
 gagttaagg atgcagctgc ggcttcacgc tctgcccga ttcgctctct ccttctctcc 300
 cagtaaggca agaagcaaga caaagtcata gactggagta atgggtctgca ccaacacaaa 360
 gtttattcca gtgaaaagca agagtccctt caacgggcct tgttct 406

<210> 835
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-G10
 <400> 835

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 aagagatgag tgaagttaca atgattgggtg catcaaaaatc tgtgtaacnt gtaatctaaa 120
 naaaatcaag gaagactact agtgtgtata tatgtgtgtg tgtgtatgcc tatacctcat 180
 gtacaacaga agagaagaaa gaagagttca aaatcaattc aaagatgtct tctgcacaag 240

ggacaagaag catgcctgcg aagccatttg tcgatgcatg gtaggtggaa catatgatgg 300
 cagtgcggca aacttctaac tgtctctccc acctgaaagt cctgaaggca gacangagca 360
 agagacaatc tccgggagan gtgtccgtga atccggaacc ttagg 405

<210> 836
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-G2
 <400> 836

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 tttagtcttt ctgtanaatc tatccctctt actaaggaac cctttgcttt gggctcttgac 180
 aacaatatac attagtgatt ctgggttctgt gttgggtgtan gatgttcagg taatcaggta 240
 cgaaantgcg actggagcag acagagataa gtagttgacg taaccttcan agaccgagat 300
 cacaaaccga tggcaagcaa gcgcagtggt gggtgagaga catgacaaaag gaagtccagc 360
 agaatctgng catcaaaaac tccggtcact cccttgcaag aactccagta nct 413

<210> 837
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-038-Q1-E1-H5
 <400> 837

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 aagcccaagt aggaaaccgc atcaggaaga aagaagaatc attgaaacag ancctaaaac 180
 acgtgtcatg aaaagggttag gtgctgaaga cacgtgagaa gaagaagatc ggagaatcac 240
 tggtcgccgc cgaagaagat tgtcgactcc attgaaaccc agaacgccgc gatatgcatg 300
 ttgaatccgg tgatagcant tgtcaattcc aaagctctaa aagacanntc ttcagcttca 360

tggaattca acttcaaaaa tcntcccaan ntaaagcgtc aacgggttca acga 414

<210> 838
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-039-Q1-E1-A10
 <400> 838

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 ggtgtacaat gaaagcaaat taagtagagg ttattctgac ctcacagatt atgtaacctc 180
 ccgaccaaat cagttgagct tcantgangc aaatgatgaa gccanatcca aagccgcctg 240
 cacttgngaa gcatccgttc ccngccctga ggcaagacca cctttccent tcccgnaccn 300
 tcctttttaga ggaccantg cagttgtcan ncattcagtg angtcgaacg gggtg 355

<210> 839
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 839

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 ttgcaaagag ttttactccc aaacagaatc aaaagctctc tatccgacaa aaaagaatga 180
 aacaaacatt catctcttca agcttctatg actgggtact cgaaaactac atctttccct 240
 gtnagtttcc tgtncacacc caccattgtc tccagcttgt actcantgtc gttctttaac 300
 ttannatcca aaantacctt catgatcttt ggtgccatca agncnggtat ctgggtctct 360
 ttccnacaag cctcagccag gggtnaaccg acatcct 397

<210> 840
 <211> 418

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-F2

<400> 840

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngagtggga agttgactca   60
ttacaacaaa tgtccgaaca aagaaacaca cttgaaagat aagttttgaa acaaaaggga   120
caaaaacaaa agcaccaacc aacttcataa gaaaagatta catccctaata gtgacatgtc   180
taggcaaggt caagacaaag gagacggcca tcaaagcgac ggntagagca acnactgcgt   240
gaccatcctt tgctgaagct gatcctcctt taaccgtgga cgtagctgga gttgccggag   300
actttcctgc nggtgccanc ggggtgtgtt gtggcattgn ttgtngaata cggctgcgtc   360
tggcgagcta ggtgaaaatc ccnanaaagc tttggacaag ttggggaaat gcgagcgt   418
  
```

<210> 841
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-F6

<400> 841

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aattaaaaca taccagtagt aaacatctga attcagcact tttctatgtt tgcgagttca   120
gtgacatctg aaaattacaa acttggcatc tactgatcag caagtaaagg ccggtttcga   180
ggaacaggag tgcacttcag ggaatgagcc atactcaagt ttagtcctcc agcctcatcc   240
atttggacct tgtctccttt gatacnccag tcaaagcatt gcaccatcat tccaactgcg   300
gtgccaacaa gagatataac ccaagacttg atccangann agcctctccg tccactaccg   360
aaangaaatg gtacttaagt tgcttgctcc tcatccttc ct                               402
  
```

<210> 842
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: ARABL1-034-Q1-E1-G2

<400> 842

nnnnnnnnnn nnnnnnnnnn nnnnnagagc tcaagctctg agaggaaaat gcatcagcca 60

aaccaaattt ttacaaatta agaacaatt ggtgacaaaa aaaatgaaaa ttctaacacc 120

tttctctnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngtaa tgactttgtt 240

gaaacggcgc agacacggcc atccacgggc ggtccaacat attcggttgc attgangatg 300

tcattgtgaa gccactcgac tgtggaggtc caactgtgtg ttgctgcatt gggactgntc 360

acagtaaag ttttcccaag gnaaatctgg ttacaca 398

<210> 843

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-034-Q1-E1-E6

<400> 843

ttttttttt ttggaaaaaa acatgaaatt tcttaatttg gaaagattcc atggtgttgt 60

tctacatggc aaggaaaaag acatattatt atgttcacag tactctgaaa tccatagaca 120

aagctagaag cgcttttttt atgctcacat tgtctgcaaa taagaagacc aattaaagg 180

ttctctcaa accaagaaaa aaacttttaa tgctcttttt cgtaatcgtc cttngttcc 240

aaagtctctg caccaagatc tgtgaaggaa ttgggcgtac tggcatgtgt gggcctttgc 300

tcaagcttag caagataanc ttggcgatgg gggatgcaca caaggaaaaa cgcccgaaca 360

tagcaatggc ggtgttccga cgccaaatgt ttgggggcct acagttaggc ccaaca 416

<210> 844

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-035-Q1-E1-A1

<400> 844

667130 the same

tttttttttt tttttttaac tcaaaaattc tttagctttt tatcggttgg taatcactac 60
aatacgttgg agatgtttct tattttgttt cagagcacat gagaagaaag taaacaaact 120
aaaatataac ctcttcctac ctttttactc aaaaaagaat cccaaaacaa aaaattgaag 180
tgaagttaca agtctctgta attatcttcg tgtagagaga ttttatacag gttcctctgg 240
gggttctctt ctgatatctc aaagcactna tacattcgga aagctcccat tcattgcctt 300
tgcctacctt gaagaccaa tgtgggcntc angttgctg tngcctgt gaancatacc 360
atcangcact tcangaagtc gtgaangaga acctttggat tcagcagtga natacg 416

<210> 845
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-A11

<400> 845

tttttttttt ttttaaacat gtatgacaga catctttctt cgtataaacc accttacata 60
acaccaacac acaaatacac acataaagaa agcatataag cagcagcttt ccctcctcat 120
cttaagcttt gagcatccgt agataatcan cgatgattga catcgcanga tgatecggtag 180
cccgaagcca aacaggttat aatggttcaa gtaatgatag agcaaataca gatncctcct 240
cttctcatnn cccgcttggt ttggcattac cttgaaatac gcattgtaga aagattctcn 300
aaatcctgcy caccacgaca ttccaaaatc cgctcgtta ggnccatagg taagaagcan 360
gatnaagaat ggncanggtt cgggtggttct tggncgtaag gc 402

<210> 846
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-A4

<400> 846

tttttttttt ttgtatagag aacctaaaag ttcaaactt ccttttgaag ttttgtatag 60
agaacataaa tatttggttaa agtgacactg aataaataca atatttcttt attttgttgt 120

tcataaaaaag atttgtagat tgacacacga nactacccat tggtttggtg cggtttaggt 180
tcaaaactcca aagatgaata ggttttccat taagacctcc aagaagcagc cagcttgaac 240
atgaccaccg tgtggtttcca attttaccba tcgngagcta cttaaatacac atatanaccc 300
tacggtggnt tcaccgtatc cagccaacgc cttccccgtt gccgatcaca atcangcatc 360
ccgggcctca ccgctannta agttacattg gtacacatca gcagggatcn gg 412

<210> 847
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-B11
<400> 847

nnnnnnnnnn nnnnnnnnnn nnnnnaaggg attcatgtaa actacttgat aaggaaagtg 60
tttacaccaa aagaaaaaca aatacaagat ggttcagcaa caaataacag agattaacaa 120
catctcgagg aaacaacaag gaagagacca naaatcaata gcgggttttt tcaagcagat 180
ttagcagctt cagctgcttc ttctgcagct tcttcgtctt gaagtttctt canagacgga 240
ggtggtcttg gnactatgct tttcttcnat tgnccgtcaa gtttcncga caaccctttt 300
cnttatcccn tcnttgatct necnctctct ttnaaaccgt caacatccga ngcancttgt 360
ttcttcaata cgacnaaaag tcgcaaanat ttgaacctca gtccttggcg gn 412

<210> 848
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-B4
<400> 848

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagaccaaa attaataata taaaaaaaaa 60
caaataaagt cttcaaaaga agattttggt catttctaca tttttaattt gctcttcaat 120
ctagtcagag ctaggaaatg gtcttaagag cttcatcttg aaacagaagt ccaaacctat 180
ggacgcaaac gcaaatatca agacgctctg agacaccaaa acggcgccgt ctatcccatg 240

tgaaaacaag ctttcccagc tcagctccaa tggcggctct ctgctcaaca taccaaagtc 300
 ctttaacana cccaaaagct gcaacggggg cgggntttg agatgattat catccaaagt 360
 ctcttctgac tgcatacctg aatgtgactc caaacantgc acagcttgca aacgcna 417

<210> 849
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-035-Q1-E1-C10
 <400> 849

tttttttttt ttttttccaa ataatacgaa gcaaattata taatccaata ccatagatta 60
 aaagatctct gattccaaaa tccaacaaag ctgagttcaa taacatgaaa taaattaaaa 120
 agagactgaa ttgaaaaaaa aaactaagca gtgagaacaa cagcaccacc agcttcctta 180
 atcttcttct cagcagtctt agagataagc ttagccttca caacgaaagg tttgttctca 240
 ggcaaatgac ctttccccc aaacctgaag aaacctgct gcgtcacatc gatcaacgga 300
 acattancct tgctcgattt cgccttcacg tcntcaggaa cangttgacc atnancntgn 360
 ccaagggttca cganntgggc aaaagaacnt tgttnangaa agccctgggg gaaaaan 417

<210> 850
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-035-Q1-E1-C8
 <400> 850

tttttttttt ttgattaaag aactcttttt ttagtanaac atatctaaaa aacttatctt 60
 caaaatacag aaattcagaa gcgaaaatta cagttttgtt cagctatact ttgctacaga 120
 aatgtcaaag gctttttgat cagtagactt caacgttcca ttgcnctgcc ttcttcaact 180
 gcttcttgta atcaaaccan tcaataccgt catttgcagc caatgagacc ataatgtcat 240
 caattccttt ctccantccc ttgagtccac acatgtaaac aaaagtgttg gtcnttcttc 300
 agacaacgcn cataactcan gctgcgtatt gccnnaagc cggacgtctg gatatanatt 360

ttcncncnt taagcggttcg gcttggttcgn cctgcat

397

<210> 851

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-035-Q1-E1-C9

<400> 851

tttttttttt tttggtcaga tattgaaccc aaaactgaaa gtgattttta ttagattaag 60
aattatagaa aagtatctga gttctgtctg aactaataca tcatagtcta gataaataat 120
cttcacctct accatcgaag acaagtggga taaaactctc gcctaaaaac aagcaatgcc 180
ataaggccca taacccttat tttgattaat ctgtgaggtg aaacaatagc agcaactaca 240
tatgtatcat ttaagctctg tgagagctcg cggttcgtt tagctgcagg caacaactgc 300
attcanaagt gttgcccgng aaagagcctt tctcnagtca tgaaactccg ggtattngtc 360
ggtggccgnc caagtggagg gtaacatcca n 391

<210> 852

<211> 208

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-035-Q1-E1-E12

<400> 852

tttttttttt ttcacgtcac ctgagaacca cttccgtcac cggagttacg agccatagct 60
tcagcaaccg tcgcgagttt ctgcaaatta agcttcacaa ccgtatcagc aaacatacga 120
gtatcatcct ccgagttacc ttccggcata tcaacgacgt aagattccaa aaccaccgtc 180
cagatccgat tctctttctc gctcgagc 208

<210> 853

<211> 221

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-035-Q1-E1-E6

<400> 853

tttttttttt tttttctaag gaaagaagga gccgatgggt ttgcttgaaa acttgtgtca 60
tacaacatat ggttcagaaa acaactaatt atagttcttc agccagacca aaacaagtaa 120
tagctcgata cgaaaaaaaa atagtctcaa atcgaagaag aaaaaacaag taaatgcac 180
ttaatcgaac aagccaaaac ccaaattctcc atcactctct t 221

<210> 854
<211> 381
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-E9
<400> 854

tttttttttt ttttacgtat actcaaaact agagaagatt gatataattcc aatgacaaca 60
taataagata aaccaaacta aaccgagtca aaagcaagat tacatcccat tcctgcattg 120
cccataccga aaccaaataga tgggttatata gttccaaaag attattacct ctccatgttt 180
tcttttcttc ctttacttct ataatatggc taccaaaaat aaagtttctt cttaaaagtg 240
taaaaagagg aggggtgggtc aggttcttaa cctgaccttc tgtaaagtgt gtaagccacg 300
gcaacgggtg cgacagcnga aactactgct gtcccaaga ggaacctcnt cctttcccca 360
tcgattttca ancaagttta g 381

<210> 855
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-G1
<400> 855

tttttttttt tttttttgct aagaacatta atttactttc caaaacatga gttcattggc 60
aaagaatatc aatttggtac aacaatactt ccaatcacac ttttcatttc tttgcttagt 120
tttatttcta atcgctaaaa caaagtttac cctagcaaat aacctgtaca cagcgtatcc 180
aaaaacacta aagacgatga tgccctgaga acatccaccc aaaatagaaa ctaaacttgt 240
ggttgtgcag aaaccttctt caagatctac cattaggacc aagaagtagc catagctaat 300

ttctcggacc tgaggctgga acttgcttct gaaagtgttc tcatcagagg ttgccnctc 360
ctctccttg tggtcnccat tttcctcgt ggcnagttag aaancgggcc acca 414

<210> 856
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-035-Q1-E1-G11

<400> 856

tttttttttt ttcgctatat aattattttc aaaatatttt aaacgtatat gaaatgtatg 60
aagaaatatg ggaatctcaa acatttatta acctaactac ttgaaaaaaa ttaatcaaaa 120
tttaacgtct tttaacagac cacgaacttg ttccaaggta aggaacaaga tcatcgtgaa 180
cggtccttgc ctcgctgccc tcggaacaag ccctttgtac aaagccattg gtccttctc 240
tgccaccatc ttcaccgcac aatccaacgg tccaccgtaa atctccttat ccgcattcat 300
catcctcgtc ttcacaacgt cgatgggatt cnacgccacc gccgcgacga atcccngccg 360
caaaactcgc cgctanatgc gttccg 386

<210> 857
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-E2

<400> 857

ttacttcgnc cggcccaggn cnngnncn ttcnagggtc caanacccca aaatgcgncg 60
gncgaccttt tttttttttt ttgaagaaga ggttattaaa ttcagacatg aatgtacaac 120
agaaataaga gtttttggga accaaaagcc aaatgcagat aaaaagaaaa gcaagtagaa 180
atggacttcc ccaagaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnncaga cccggtttcg gcttttgcca aagctcttct 300
ccgtcttatt tacttgacat ggcaatcata aggagaagaa gcaaacactt gatctggaac 360
cactangagg taagcttctc tatatacaca aacaacctct tcttattctc ccgctcaatt 420

gtatacatat taaccgtatc ggattttctcc attaacatcc atnagtcccc tgaagt 476

<210> 858
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-F7

<400> 858

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng agagaaaaac 60
gagttatttg attaatgaaa aaaatacaaa gtcttgcaaa ttttacatct aaacaagctc 120
tctttctcct ctcaactca cgaagcaaag actgaagcaa aatacagata aaacttggcn 180
cactttccgg gaacaaagtt ggtggcgaag gcccatgcgt tgttgtnaac tgggatcggg 240
ccaaatggtc agcaagggtt ctctaaccgg tcccttacca agtgacnat ggcttgaacg 300
aaagaaacca anacatanga gaacatagcc aatccttccc gttccttgaa gcccttcac 360
cttcaaactc aagcgaatgg cctctggggg cggtanccaa aaccaatgg ggtcca 416

<210> 859
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-F9

<400> 859

nacctttttt tttttttttt tgaaggaaaa attaacattg atcatgtaac aaagataaaa 60
agaçaaacta aacttgctgt gattctatat ttcgacttct ttgacttcac cacataacat 120
acacacaagt annggaaatt tgtagttatc ttttaaagac aaagtaaaaa ataggagata 180
gtttcaatat cttccagcca tagaggagat atgcttcaaa catgatatag cttaatgacc 240
tgatcaatgt tggcgcgaca aacaggacat cccattttct tgttttcaat ctctttcaag 300
caagaaatgc atccggcgac atgtccacac ggnacacac actgcttcan aatgggtgcat 360
ccacacaaat cacanacagt ccatncttct ttattcgag tttttggaga aaggantta 419

<210> 860
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-G1

 <400> 860

```

tttttttttt ttattttgca accgaataat catatattga aactcaatac taatcacann 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn caacaacagc agaaacaaaa gcgaccagaa aagtagcacc acctaagtag 240
gaagcggcat ttccagctgg aagtagtggt tccgctagag cctgaangtg ttgtgggtccc 300
acccgcagtg ggaggagtgg ttccctccaa gtacttgggg ttgatccaag ttgctggggg 360
tagcaccggc accanggagg tancacctcc caagttgcac caagnagcaa ct 412
  
```

<210> 861
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-D9

 <400> 861

```

nccttttttt tttttttttt ttagttcgcg gtaacaaaac tcttatcttt ataaaggatg 60
ctccaaacaa gagtttttcc atcacagctc aagagaaaca actctaatag actagcttta 120
taacgccata gatgaagggt tctttgaact tgtgaagaaa atgtcgaata tgaagcggta 180
gtttatgttt atatggtctt ttagcaaata ccacagagaa tcaaaactta actctttcaa 240
gattttttga cttgggactt gttgttggtc tcacattatg gtacatgagc aaaagcttct 300
ctgtggggnt tcttcctttt cgattttttt ctctggtctt gcttttggtg gagacagttg 360
cacgacaaca tgnattgtaa tgacgggatt tangg 395
  
```

<210> 862
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-G2

<400> 862

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ngttacttgc ccgccgttac cnatccaaaa ntaccggtcc annaccncaa aatnngncgg 60
acgaccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg tcaaatatga ctataaatag 120
tgttacaaat tttcttatgt tacaaaatta caaaagatac ataaaagttt agtaaatact 180
at ttggtaca agctctgttt tttagagag taagaatatt taaatgtatt tgttctttac 240
at atccctacc aatatatgtt aactattggt gtaagattct ggagccatgg gcttatactc 300
aacaactggt ccattcttac tcctggtttt ggtaattgta gctctggtaa acttccaaac 360
ggtagcttca gtgatgaaga aggttctttg gtctctgctt ctctttgttt ctcttcggtt 420
ttcgcgtttt cttgatgcat ttggatcntg tttgcttctt ccc 463
```

<210> 863
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-G3

<400> 863

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tcggcggccg nccttttttt tttttttttg ttatgtgtaa ttcgtgaaac tcttaagcat 60
tgccagagaa taacatatca ngatatcata tagatatggt tatttcttat ccaactagta 120
atgtacaaga anttattttc anaggacaaa tttccactg tacgaaatca aatatagcat 180
acaagaatca tcattttctta aaagaaaaat ctcttaagct tttgctaggc cttataggag 240
gaagttccac agatgcaana acaggttctg anctttcang cgcaagagaa tnatgtgtgg 300
aagtttcang cttcttgng ttgagactca ngatcccaan gttggtgttc atgatgacca 360
cggaccngga gtatcnaggg agaaggagaa cntgggtatt ttgcaaangc tccgggtaat 420
gga 463
```

<210> 864
 <211> 214
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-G7

<400> 864

gccgncnnnn nnnnnnnnnn nnnnnnnnng ataaacaacc actcaaaggn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn caagtaaaaa caaatagaac cattaanaat acagtactca 180
cactcacaac gacaacgtac gttcncgctc gaggc 214

<210> 865
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-033-Q1-E1-H9

<400> 865

tttttttttt tttaagact tttaatcaat ctccacaaag atgagaccaa actcaagaat 60
cctgaatact gatgtataat actaatacaa ccctcccagc aatttggtta agtttaacac 120
agaagtggat atatatttat aagcttagct tgggtcaatc catttctgtg ttaaaccaag 180
ctaagcttat aaatatatat ccactggctt gtgatcttgt agctttttct tggactttct 240
tatgaagaag aaccactat gggcaagttt ggtgcagttg ccatttcagt ccaagacca 300
tcatagattg ccacattagt ttttccaga cgataaagtc ccaatgccaa aatacaagct 360
gttacaccgg ttccacatga ngccgcaatc gggngctgtcc agaagataa 409

<210> 866
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-A10

<400> 866

tttttttttt ttggaagggt agaaagaatt gcatttaaga agaatgaatg aatatagtaa 60
aacatttttt tacaatcagc taatctagaa gctttganaa caatccaatg ttgatttttt 120

ccantttgac cctctgaagc ttaagtaact acnagttgag agtgtccaag agatggncaa 180
 ggagataaca gaggcagggg naanattccc atgtctttac tgtctgctcc gtcccaaaan 240
 cccttccaac ttgatggcgt taatgganaa ggcacagcc tgaacctgag nttcttcctt 300
 cttaanagct ttacgggggtg atcaagctgg ngtttcnanc cgccgtcacc tgtctcttcc 360
 tcggttgccg tttaaaggaa aataagcctc n 391

<210> 867
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-A5
 <400> 867

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga tctgatgatc 60
 cttaattaca agaagtgcac gaaaatcact agagaaaaag cataattaca aattcacccn 120
 aaatcattat tcccggccca ganttaacce ttccttaatt gccctttcac cttcaatttt 180
 taactttatt cccattttgc cctcctctgt tttttccaca gagaaganaa gagcatctaa 240
 tcnaatccaa aatctcttcc ggtggtgttt tcangcttca attccaatga tcaacggggg 300
 agtaccagtg taggagaeng cgngttggtt catcgggaaa nggaattcan angcttcttc 360
 tccgagtcag aaaagtcctc atgatngtcg gtctgccgcc angtcg 406

<210> 868
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-034-Q1-E1-B5
 <400> 868

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 catgtacatg tattaatttt aactgaata aatctataaa aaaatatata ttgcaacccc 120
 caataatatg aaacgaaaaa agatagaaaa cgcaaaccga ctacggcttt agtacatata 180
 ttcatatata tgaatagatc atagatgtgc atttcaaagt tatgacctga tcaatggcca 240

ggtatatattt cacactgttt cnaagatgat agtgcaaagt gtacgtcgag cgtggcgcg 300
ctacggnccc tacacaacgt tgggtggtaa cgcattctat acagagggaa ggaagagacg 360
cctcctngna agtggactga agctgatcat catgggcaat tagtggncg c 411

<210> 869
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-B6
<400> 869

nnnnnnnnnn nnnnnnnnnn nnnnacctga agttatgcct caaatcaac attttaag 60
cagaagcatt attagataga tatcatccat aaccataaga cccacattca ctgttaactt 120
atcgatatta gacagaaaac tttcaacagc gaaatacaaa acaagagaga gaaaactaaa 180
agacactcat ctacaactca aaatgcgcaa aagaagcagt taaaaaaggc gttgtcacgc 240
cgcaaggggtt aagatttggg atttcattcct aggcctcgaa cccttacatc tccgactaac 300
gccgggtata agacgggttg ctactactcc cgagcccggt tanaaccagc ttttctgggt 360
tctggangtt aggaggcaac actttggngt gggacatata aagggaataa ggcaaat 418

<210> 870
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-B8
<400> 870

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tttgattaat gaaaaaaata caaagtcttg caaatcttac atctaaacaa gctctctttc 120
tcctctcaca ctacgaagc aaagactgaa gcaaaatata cgataaaact tggctcactt 180
tccgggaaca aagttgggtg cgaaggccca tgcgttggtg ttaactggat cnggccaaaa 240
tgggcagcaa ggntctcnat cggtcctnta ncattgacga tggnttgaaa cgaanaatcn 300
aagacatana gaaacanagc caatcttcng ttcttgagcc tcnttcacct tcaagtcann 360

cgaatgcctc tggggtcggg angccaaaac ccaatggggt ccgaagctgc caaccggggg 420
t 421

<210> 871
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-D2

<400> 871

tttttttttt ttgaaaccga tgtatgattc tcattactaa cttatatgat gattaaaaac 60
ttcagaaaag aaaaaactan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnttaagg aaaagtaacg agtatagcgt ttataaataa 180
agattcgaat tgggcaacct cggaacgggc aaggcaacaa gaggggactt gagcttcaag 240
acaatcccaa acttctcttt caaatccaaa atgtggccct tccggtatct tccaatcaaa 300
cgaatgcaat agcgtcccgga gagtgtacaa aatcatcctc tcgnggaagt gctataacctg 360
cgcaaattct cctgccagat tcaaaacggg 390

<210> 872
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-034-Q1-E1-D5

<400> 872

tttttttttt tttgatctca aagtattttt tatgttgtgt tgataaaaag agattgcagg 60
aaacaaaata attgattgta acagaaacac aaagtttgag taaagtgata accaaaaaca 120
aacaacaac atcaaaagat ctctcacatt ctgcgtcggg ttggcaccaa ttctggattt 180
cccttcttca tcatcgctac aaattcttcg tagttgattt ttccgtcacg atcgggtgtct 240
acttcagcaa tgatctcttt gatgngattt atcatcacc atgttgattt tcttcatggc 300
tagctctagc tcttccattg gttangtacc gctgttgga ttgtcannag aactggaant 360
ggcgggtgtac aaagtgatcc tcaagtttcg attccgggtc anaaggcaat tgggg 415

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<210> 873
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-G4

<400> 873

tttttttttt tttatgttga acgaagcaat tcatgctttt tcattttcttt atttttctcaa 60
tacattatta aggctacata ttcggtattht aatatttaat cctatataca attaaaatct 120
tatgtgatcc tcatgggctt cacaagtcaa tgaagattgg gctggggccga agtagactct 180
gacttaacaa aacgaacaag agacaacttt gcgatatcgg aaacggcagc atttcnaacg 240
gcggcggaat cactgatgag aaactcatac gccgcttcga aagcttctcg ccagaaccga 300
ggaaccttaa cgccaccgga gcgctccgtac acatcccaca tctgtctcan cactttctct 360
ctctcttcaa tttccagaac gtcnagatta tcgcccnaaa agagaatgcg tttaacgccn 420
ttagga 426

<210> 874
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-031-Q1-E1-G6

<400> 874

tttttttttt ttttttttaa nataanacca acatttgtht tttcttcctt ttttacataa 60
ttcagaangc acgateccac accttcatta cnattactac agctagcact ancctcaaag 120
cccttggtcc tgaaaatcac actanagtct ttgaacanaa aagagttact ttcataaaaa 180
tgataaatac tagccaagca agcgagagct ttttcttctn tttgacagat cccgtttttac 240
ttcgttactg cacaaatcct acttagattc catctccaat gcctttttac ttacctttca 300
tgagtcacaa aagtctagta ngtgggaaac agagcanaat gtcaatcatc aagctggggga 360
ccgttggtatg aacaagaatc tacggtggaa ggantcatcn cctggthtga cgaatgaaan 420
aaag 424

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$. In the second part, we study the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$. In the third part, we study the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$.

<400>	875
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<210>	876
<211>	414
<212>	DNA
<213>	Arabidopsis thaliana

<400>	876
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<210>	877
<211>	384
<212>	DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-H2
 <400> 877

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gacagatgaa ttaatggaaa gggtttaaata tgttgctcgg atgctattct gaagaagaag 120
aggatgggttt tgcttcaaca acaggtttgc ctttctctct aagtttagca atggaagcct 180
tcattttcttc tttagcgttc ttactcgcca ataccttggc ctgaactccg gtcacggctcg 240
ggcttttctt ctcttaggt ggtgggtggag gcggccgtct tgctgccgcc attgcctcct 300
ccttagcggc cagagcgttc caactccata ncgaccgcc tanccccacc aaaattgtcc 360
tgcgattaat tggggggaac tgca 384

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<210> 878
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-G3
 <400> 878

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cttaancaaa cnaacaaggg aaataagcaa aatgatgtcc taaagaacgc aaccagaatc 120
aagtcataat gtaacttcac tgtataaatc ataaatcttg tttctttttg tgggcttaag 180
ataaaattct ctacttagc catcatgact ttgacnaatt cttcatagtt aatctganca 240
tcgccatcaa catccgcttc tcggatcatc tcatcaactt cctcatcgga tancttctca 300
ccgangattt gtcatganat gtcgaagctc tgctgcacat atgaaaccat tctggctcctt 360
tatnaaagac ctaaaaagct tccttgagcc cttcctctga atcagtgtcc gtca 414

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<210> 879
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-031-Q1-E1-H3

gagtgggaag agatacatat acttttgttc tatgaacaaa tcgaaacttt aaaccaataa 120
 taaaagtact ctcttatcaa aaaaaacata aagacaattc ttctctctct catttaaacc 180
 caaagtaaac gccacaacaa caatggcaca tcagtcaccg accagattgt cccatgaatg 240
 aagtgaaga acaacanacc cattaaaaaa acttacattt ccangtatgg aatgtanaat 300
 caaacttgat attgcctttt catctcaana ccaagatcac aagacaattt cactgcttaa 360
 agccaccagn attgggnnct ttgggttacc ganggggtggg agaaagaant ccgtct 416

<210> 882
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-B4
 <400> 882

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 caaaaatatc tttaaaaatc tgtggaaaaa aacagagaaa taaattttat taaataaaaa 120
 attcaaacta aactagaagc atcaggtaaa ccttgacgcc aatcgatcac tcctactaag 180
 tgggccgaaa cgcgacgggt tccgccgctg cgaattcacg tttccgttaa cgtaaagg 240
 aaagttggga agcttcgggt tgggtgttta aacggagaac gtcagttccg acaaaatggg 300
 aacaattaag gatgatcctt aaagccacng tcncaaatac ataacacgtg gaaangcgtg 360
 tttanactcg ccttaatttg ccnggagttc a 391

<210> 883
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-E9
 <400> 883

tttttttttt ttttaacaaa gatcaagact ttatcaatgc catcataact tacataactg 60
 agtcatacat atcaattcgc ttattcagtc tacaactagc aaagatttct aattcctgta 120
 aatcacatac tgtagattcc acattcgagg tcctcaaata tcaacttgca gcaagaagct 180

tttgcaactg accactctcc aaagcagctc caagatcatc tgatccacca atatgcttgc 240
 cgttaacaaa aacttgcggg acagtacgac gaccaacgaa ttctaaaagc tcatactgga 300
 tttgatctcc gtcctctctc tgatcaagct ccacaacaaa tggctcttcc ttaagttggc 360
 tgaanaga 368

<210> 884
 <211> 261
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-F9
 <400> 884

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn acatgaaaac aaagttcttt 60
 ttattgagat atctgaatta atcagactga atacaaatat ggcaatccgg agtaatgaaa 120
 ccacgcactt ggcttggttt attcaaacca taattattca ctctagttac cactgagtan 180
 tangcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnccgt ttagttgttt t 261

<210> 885
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-032-Q1-E1-G12
 <400> 885

tttttttttt ttttgaaaaa taaaaaatct ctatattatt tacattatcg cctaaattca 60
 aacctcactt ttcacatata gaatatgtac atatctaaca aaagggtaaa aatagtaaca 120
 aaagtgaaaa ggtagaaaat agtanaaaag agttaaaagaa ctttttcatc atcatcatct 180
 tcttccaccg tcgttattgc caccgccggc tccagggtaaa tttacagaaa cccgacccgg 240
 attcaattcg ggtttggacc cgtttgaaat ctgagtaagg acaagggtata gtgantccac 300
 cttcttgaga aaaccagat tcgtctcag nctctctaa agaagctcac caggc 355

<210> 886
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-A8

 <400> 886

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tttttttttt tttttataaa ttagtgatgg atgtttaata catacagtac attgataaac   60
catacacata gtcataccat aaaccattag tgaaatgcag tacaaaaaca aggttttagat  120
aacagagccc gtttgaggcc caataagccc aagaacctca tccaangac catgactttg   180
gncagctgaa acnaagctca acangnagtg gagctacaag gcagcancag tccaataccc   240
tccaagatc tcttggtttt taactgctct ttttcccaa ccacanttac ccaatcanna   300
gaaanctang cctcacttcg tccaaaccaa nattcctctn caccatcctc tgcagccaag   360
tctacactc cncnctccg tcccatangt agaaatcctt tcagncactt gtcctgaata   420
  
```

<210> 887
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-B8

 <400> 887

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nccttttttt ttttttttat tttgcaaccg aataatcata tattgaaact caatactaata   60
cacannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngt agcaccacct   240
aatgaggaag cggcatttcc agctggagta gtggttcgc tagagcctga angtgttgtg   300
gtcccacccg caagtgggag gagtggttcc ctccagtact tgggggttgat ccagggtgct   360
ggggtangca ncggcagcag gagtagcacc tnccagttgc                               400
  
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<210> 888
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-C2

<400> 888

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tttttttttt ttttttgaag aaagtgaatt ttttatatat aataagaaac ataggactgg   60
atcagactgg gaaccangat gaatattcat aatggtgaat ccttacaaaa gactacacag  120
acacaacaca tgagttttga gaccgtgact aggttgatta gagatctcaa ntgctagagt  180
catcatcaac ccagaaacaa gaatectact tttactgaca ctcttgattg ttacacgcag  240
aaataatana gacacaggaa aagagaatta actgaactct gcaagacttt tanngtggac  300
tcacatgntg gtgcatcggc cctttncnt cggtttggtt gcgctggcan tttgcnggga  360
accggtgtga ctctgaggga tttgtatggt naact                                395
  
```

<210> 889
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-033-Q1-E1-D2

<400> 889

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nccccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn naaggccaca atgccgaana cttcttttan aaancatttt gaacanactc  120
aaaagccact aacatttggt ttancgctag ttttttgagc cgggtgtanan agatagatac  180
acatgcatga aaaatgacct aaagtgtggt aatgttattg ttanaaggac tgcctatatc  240
catcccatcc tccttcgggt tctttcctct tcagaacacc acctgacatt tgagacattc  300
ntgcntgatc ccccttcgac ggtacggaan gcagaggaag ataactgcct tganachang  360
tgtttgantc ggcgcctccc ncngtttcan gacctccaag ganccagaat              410
  
```

<210> 890
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-C5

<400> 890

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 agatgttatg gtcaagattg atgcaaacag gccaaaagaa gtgggttttcg aggagaccca 120
 gactctactg tctcagatac agttaagag aatgataaag actgataaag catctcctgt 180
 tcaggataaa tggagaggaa taccgacgag attgaataac attccacatt cgagggatat 240
 cagggttat ttttatgaag atgtgctgca agccacaatt agatctatca aggatggtaa 300
 caccgtctt cgggtggaca ttaatatccc tgagctaaat ccggaatgg atgtttaccg 360
 gataggaacc ttgatggaac ttgttcaagc ntt 393

<210> 891

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-D1

<400> 891

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 atacctaagc tcaattatct tctctgcaac aaactccaaa ggatccgaga gagagagctc 120
 tggaacgata ttaacatata tcatgaagaa aaagattgaa gtattgatat gggaataact 180
 aaaacttctc ctaatactac aattctcttg aagactttnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 ggattcgacc gatcagattc tcccaattta acaactcagc agaagcaaga gcatcaaagc 360
 gtagaagatg gacgaggaat cttcagtcgc cggaggtaag gattccgggt ctacgaatca 420
 agccggtatg ttatcccgaa atgttaaatt tcccc 456

<210> 892

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-D10

<400> 892

tcgagcaact acaaacagta ctggtctttc ttccgccgctc caaaagaaat cgaaaccgcc 60

gagaaagttc cagacttcgt cgacacattc tacaatctcg tcaccgacat atacgagtgg 120
ggatggggac aatccttcca cttctcacca tcaatccccg gaaaatctca caaagacgcc 180
acgcgcctcc acgaagagat ggccgtagat ctgatccaag tcaaacctgg tcaaaagatc 240
ctagacgtcg gatgcggtgt cggcgggtccg atgcgagcga ttgcatctca ctgcgcgagct 300
aacgtagtcg ggattacaat aaacgagtat cagggtgaaca gagctcgtct ccacaataag 360
aaagctgggt ctgcacgcgc tttgcgaagt cctgtgtg 398

<210> 893
<211> 395
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-03-Q1-B1-D11
<400> 893

agggacaagg cttcgcaagc ttcacttgtc gttcgttggg tcagatgaag atcatcgttt 60
ggtgaaatca ggagctctta ctgatctcga catgttttat ctggcttctt tgtacttttc 120
ctttaggtgt gataccaata agtacgggtcc tgctggaacc tatgtgtctg ggaagcctct 180
ttgggctgca gatttgcccta gctgcttgag ttattatagg gttaggtctt tcttagctag 240
gtcagctggg tttcagactg tggtgtctgt accagtgaat tctggagttg tggagcttgg 300
ttctttaaga catattccag aagataagag tgtgattgag atgggtgaaat cagtgtttgg 360
tgggtctgac tttgttcaag gctaaagaaa ctccc 395

<210> 894
<211> 458
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-D4
<400> 894

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gagatgcaaa gaacgagaca gttgttgctg tcgagtttgg tatctccagg acaggaaaca 120
gtgcaagaat tttagttggg agacctgaat ctgctgaaat tagaaacctt tcgtttgtgg 180

gtgacttgat gatggacaat ggaaggactc tgagctgtat gattgagtat gaggcaagtt 240
ctaagagaat gatggttcga ttcagaaaat ctgggttcggt aaagctgttt gatccgttct 300
tctctttctc ggtagacttg gccaaagttat ggaaaggtgg tgaagtcact gtgggtttaa 360
gctctgcaa tgggaactct tcttccaagg cacattttct ccattcatgg agatttgaaa 420
taagacatcc tctccgatg tggatgcatt cagtgccg 458

<210> 895
<211> 451
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-C3
<400> 895

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tgctcatgat gaattcaatg gagcttcttt tagtggcgcg gtttttaacc tcgccacgac 120
tataattggg gctggtatca tggctttgcc tgctacaatg aagattcttg gacttggact 180
tggaatcacg atgattgttg ttatggcttt cttgactgat gcgtcgattg agttcttgct 240
taggtttagt aaagctggga agaatcgatc ttacgggtgt ttaatgggtg gttcttttgg 300
taatcctgga aggattttgc ttcaagtcgc ggtttttagtt aataacatcg gtgttttgat 360
tgtatacatg atcattatan gtgatgtgtt ggctggaaag acngnaagat ggtaaccanc 420
aattccggtg ttctctgaaa ggatggggtg g 451

<210> 896
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-D5
<400> 896

natcgggaatt cggctcgagg ggaatagctg ataaatatct gcctcagtct atagcagagg 60
aat ttgagaa acagaacccc caaaatgtta agcttcgact catcganggt gctgggcatt 120
tgccatcaaga agactggcca gagaaagtag ttgctgcctt ccgagcattt ttctgacttc 180

caaatacaac aaaaaaggac agaggtactg ttttggtggg gtgttttagag tcttacctct 240
 ttgatggatg tgtgcaaagc ttcacattgc tctttggaga ggctagaagc agtctgcaac 300
 ggggtggattc tggcctgcga naaaantaaa ctagaantta atcgtacagc atgtaaacc 360
 gtttcttctg gtcgtcaa at gtncaagaag nacaaagggtg gatactttgt gaatca 416

<210> 897
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-D6

<400> 897

ctcgagattc cccttctttt cccggtactc tctgtctttg catttttact ctcttgacgc 60
 taatgttcat tcgggtttcc gctcgaccgc cgacattcgt cgaggatttc aaagccgcct 120
 ggtcggaatc tcacatccgt caaatggaag acggaagc tatccagctc gtccttgatc 180
 agagcactgg atgtggattt gcttccaaa gaaaatatct attcggacga gtgagcatga 240
 agatcaaact cattccccga gactctgccg gtacggtcac cgctttctac atgaactccg 300
 atacggccac ggtgagagac gaagctaaat tttgagttcc tgggaaacag aagtgggtcaa 360
 ccttactcag tgcaaacaaa catatttgct caaggga g 401

<210> 898
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-D9

<400> 898

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 caaatatttg ctgtccgtcc atccaggcta gaactttcta taatgcttgc ctcttcgcgg 180
 taggtagccc gtcaagctgt atacgcaact cgagttgtct tgacattagt gagtcgacat 240
 gtcctagagg atatacgaat gacattctcg aaaacacagg tgatgctgtc actgaatact 300
 gcaagttggg gtgtgtatcc tctgtttgcg gtgctttaac cattctccag aactccgatg 360

caagtgaaat cgtgaatgga gaagttgaaa aatgtncca

399

<210> 899

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-E1

<400> 899

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tatcttagca tttgcagaaa gattttactc tgctgatgaa gtcaagtttt tgtcaacttt 120

accggaccct gaagttcaga gaaaggaatt tattaagtta tggaccctaa aggaggcata 180

tgtgaaagca ttaggaaaag gcttttctgc tgcacctttt aataccttca caatccagtc 240

caaggttgga acaaaaggag aatacaatct ttgcaagatg actgaaatga ctgcaagtgc 300

gctggaggag acaaacaaat gcgatggaga atggaagttt tcccttttgg agttggatga 360

ttctcattat gctgcaatct gtattgaaga tgatgaagct agtggaggag ctcctatgaa 420

ggtgattgtc ccaa 434

<210> 900

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-E12

<400> 900

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tcaaattcttg ccgtggaatc tctgttcctc aggctaccgt tactcatact ggttttcagt 120

gggaccggta ttggttagtt gttaactata aaggaagagc atacactcaa agagttgagc 180

caacccttgc tcttgttgaa tcggagttgc ctaaggaagc cttcttggaa gattgggagc 240

caacaaatga ctcatgttg gtgataagag ctcttggtat gagtccgtta aagataaccgt 300

tgactaggcc aagctcggta gcagaaggta tgatgatgtg ggaatggtct ggctctgctt 360

ttgatgaagg agaagaanct gcgaaatggt tttc 394

<210> 901
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-E4

<400> 901

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 tccgatcaaa ccaccgcacg tgagcaaaaag gaagtcactg atatcccgca ggaagttagc 180
 ggcgggcgatg atggcgctaa gttggaggat ctggtgaatt tcctctactt tgggtcactc 240
 ttcgacgtca agtcacagaa cgagttcact tcgataatgt tgaccaggac tcatgagaga 300
 agttgctgct tgtcttacga ttacgttacc gatgatgcca ctgatntcct cggngattgg 360
 gaattggntt ccaattccca actttgggac ccgatggntt cccgtccggt gggattcaag 420
 cttatctcaa caaagaacgc tttgggagcc gttgttgt 458

<210> 902
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-E5

<400> 902

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 tgagcagttt cgtgttaaaa ccgcggcggc tgcggcgctc tctaaaccgg tttcggttc 180
 gattacatcg gcggttcacg cttctgttga agaagatggg atgattatgc agagaccggt 240
 ttgggatgat tgggaatttg ctgaagaaga accgattcct agggttgttt ttagcaaacc 300
 tcctagtctt gaagaagcta aagaacctac tgaagatctt aaagaagcaa ttaatttggt 360
 gtanatgtca tcctccaaat ctctgctgct atggnaa 397

<210> 903
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-E6

 <400> 903

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acactcgttt caacaatggc gattcaaact cagcttcctt gcgacggaga cgggtgtatgt  120
atgcggtgcc aggtgacacc tccgtcagaa gagactctca cgtgtggcac ctgtgtcact  180
ccatggcacg tgtcgtgtct ccttcctgaa tcaactcgctt cttccactgg agattgggag  240
tgtcccgatt gctccggcgt tgtcgttccc tccgccgctc cgggggtaccg gaatctccgg  300
acctgaatct tccggttcag ttctcgttgc tgcgattcgt gcgattcang ctgatgtgac  360
tttgaccgaa gctgagaaag ccaataagag ggaagagact                        400
  
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<210> 904
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-03-Q1-B1-E7

 <400> 904

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atttctagtt acacactaca ttgctgagcg ggattcttcc actgtcaccg tcaagggtttc   60
aaaaactgaa ggagactggc agaggccaaa ccgccgtggt catgtccaat tattactagg  120
aggcggtgca atgcttgatg cttggggaat ggatggagag tttatccaca ttaaggtgcc  180
ttcagaaagt ggaatttcag agttaatatc cacaagcaat gagcgcttta aacttcatat  240
ggaaaataca aaactgatac ctgagaagga agtgggtacc tggacaaaag ggaatggaac  300
tttcaaaggg accaagtttg agttaagcag tggtgattgg gaaacctaata aataattccc  360
tggggggttg tgggaaggat aatggcctat gacacatggt tccctcaagg aat                        413
  
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<210> 905
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

tccgatggat cggcanaatt cccgatgacat catgagattt ctcgatggaa tggctagctc 60
cgacgacgtt cttttcgggtt ttcttgacga aggnaaccag tcaccggaag atttctccgt 120
aaacctcaac gccggcgaag atgacgggtga cgaagacgac aataataaca attctgaana 180
taacaaagct ttttggcagg aacacgaaca acttcttcag gggacactgt ataggacaag 240
ttccattgag acaaagatta gacaagctac aaaagaagcg ttgaaacaag ttaaactctaa 300
aggtccttaa tgtgtttgcc ggcgaacaat tgaccngggg ttgccggant tgcctacgtt 360
gncgaaatcc tccanacacc taagagattt ccccggntac gaattgcgtc aaccccaa 418

<210> 908
<211> 375
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-G4
<400> 908

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gaatcttggt cttcacagct ctcttcgggt ctcttgctcg gtggtctttc gtttagttga 120
tcgcgagctc cgcaatgtca ttttgtctag gaggcataag aggcgttggc gggagctttt 180
gttgctttgg atccgttagc tttcccaaaa tcttctcaag cttattgtaa ccttgttttt 240
aatttctttt tgccttgggt gctctacttt tggtaaactt ttggtattaa cttaactcaa 300
tttaaatga tatttaaaaa gtttaacaaa ananaannnn nnnnnnnnnn nnnnaaaaaa 360
aaaagggcng gcccc 375

<210> 909
<211> 112
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-G7
<400> 909

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tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nn 112

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-029-Q1-B1-H2
 <400> 912
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 tatccatacg gattattcct ttggttggtcc tgttgatatg ggagcttcat ggttacatgg 120
 agtctctgat gagaatccct tagctcccat tatacgccgt ttaggactga ctttataaccg 180
 aactagcggg gatgactcca tcttgatga tcatgatctg gagagttagt gactttttga 240
 catgcatggg aataaaattc cgccgcagtt ggttactaaa gttggagatg cattcaagag 300
 aattctcgaa gagacggaga aaataaggga tgaaactgcc aatgacatgt ctgttcctca 360
 aggaatatct atcgctctgg atagaaatcc aaaac 395

<210> 913
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-H3
 <400> 913
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 aattcggtc gaagcatgaa tccccatgcc aaaagagggt caaaacctgg gactaaaatt 120
 cttcgccctt ttcaagcttg ttagctatct ttatagatcc cctcttcttc ttctcataa 180
 aagtccaaga gcaaaacaaa tgtattatga ttgattggcc gatgactaaa gcatttgtag 240
 ctgtaagaag tgtaacagat gttatattca ctatgaacat tctacttcag ttccgattgg 300
 cctatgtagc tcgtgagtct acggtagttg gagctgggcc agttagttag tcatcccaaa 360
 aaaattgccc ttcattacct caaaggaaag tttttccttg acttggtcat aagtgatgcc 420
 acttccacaa gatattgata ctaaggata ataccaacac anttgggtgc atccccggggc 480
 aaactatgcg aaaaaacctt ctacg 505

<210> 914
 <211> 421
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-029-Q1-B1-H7

<400> 914

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atcggcgacg agctccatcc ggtttgtctc ctaatcagaa tctctgattt cccgatccgg 120

ctaattcctc atcgtcggat caattagatt atcttatccc aagnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngtcgt 240

cgcagcttcg gcagacccat ctctgccttt ggaatggaga ttctctcagg tcttcggtga 300

acgaagcgct ggtgaagaag ttcaagaagt tgatataatc tcagcgattg aatttgataa 360

ttctggaaac catcttgcta ctggggaccg tggaggacgt gttgttcctt tccaaaagaa 420

c 421

<210> 915

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-A11

<400> 915

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tttctctctc gcattagttg tttagggata aacatggcag gagaaggtaga agaagatgta 120

cctagagatg ctaagattgt gaaatctctg cttaagtcga tgggtgtaga agactacgag 180

cctcgtgtga tacatcagtt tctggagtta tggtagcgt atgtggtcga agtgttgaca 240

gatgctcagg tttactcaga gcattgctagc aaaccaaca ttgactgtga tgatgtgaag 300

ctcgtattc aatccaaagt taatttcagc ttctcacaag cctcctcaa gagangttct 360

gcttgagctt gctgcaagta ggaacaagat acctctggca aa 402

<210> 916

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A12

<400> 916

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ctcgagcgag agctggtggt gaaggagaga ggcattgatg agcccgagca tcacaaattg 60
gatcaaccga cagataggat ggtcctcaaa ccgattgaaa gagttccaga gcatgcaagt 120
caaaggccag tgagttctcc acgtgacatg agaacgagga aattcgacca aaaggatggg 180
cgaaatgtaa gcgacattgc cagatccgaa actcagagga gaaactggcg tgaaaatgaa 240
aacaagagcg caagacagca acagcagact caggagaaga caagacatcc atcaccagag 300
acatggcgaa agccggttcc ccagaaactg gattcaccaa atggaacagg gattcgtcac 360
ggaaaagcag cttctgctcc tgagcctaac tcaaanc 397
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<210> 917
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A4

<400> 917

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ggntcgccag aagagctcag aagtcgcggn cacnctacg taagancgga attcggctcg 60
agtgaagaa gagaatctgc ttacaaaaga aagaaggcag tgtaagtct ctgatttctt 120
cttgataaca ttactactat gtacagattc agcaacacag ttattggggg cttaaacctt 180
ctcaccttac tagcctcgat tccaatcatc ggaaccgctt tatacaaggc aagaagcagc 240
acgacatgtg aaaacttcct ccagacgccg ctacttgta taggattcat catactcata 300
gtttcccttg cgggattcat aggagcctgc ttcaacgtgg catgggctct ttgggtgtac 360
ttaagtggtc atgatctcct catcgctacc ctaatgggtc taacgctatt tgggtctggtg 420
ggtgacgagc caanggaggt ggagtggaag tgncaaggga ag 462
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<210> 918
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-03-Q1-B1-A9

<400> 918

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 tcatcagctc gtgaattcct gggattcttt caacatgggtg caagattact tggctggtgg 120
 tctatcgatg aaggaagtcg ggaagaacaa gcaaggctct actctggaga agctactgga 180
 tacaacacct tctcaccaga ggttgtgaag aaaatgccaa agtctgatct tgttgaagag 240
 atatggagac ttcaagctgc attgagtgag caaacagata tcaccagtta tagccagcaa 300
 gagtacgaaa ggcttcaaaa cgagaagatt cttttagtag tttgctttga agatccgatn 360
 aacgtgggtc tactcccaat gtagacatta cgtcctccgg aagta 405

<210> 919

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-03-Q1-B1-B12

<400> 919

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 aggtagagaa actcaactg gcaagccatc tctgctgct gttcatgagt atctagtgga 120
 ggcctacgag actaggggtg cagaacagga gaagaagaaa ctattggatc ctgtgccact 180
 cgatgaagaa gctaaggcca aaagtacgcg tctaaagcgc caatggggaa cgtgctgggtg 240
 ggagcaatat tgcatactat tctgcagagg actcaaagaa cggcgacacg aatacttcag 300
 ttggttgctg gttacgcaag ttctttccac agctgtcatt ttaggtcttc tctggtggca 360
 gtcggacatt angactccaa tgggactaca agatnag 397

<210> 920

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-03-Q1-B1-B2

<400> 920

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tcacggccgc gctgaaatcc acgaccacgg ccgcgctgaa atccacgacc acggccgctc 120
tgaagaagaa gactctctcc gtctcctccc ttctcctcct ccgtctaaga gacaaggcat 180
ccccagacgc catgatctct ctactccct cgttgtttct gaacaagacg gttgttcttg 240
gatgttccac acgcctctct ctgcgccagc ctaagaacta taattactcc tctgttctc 300
ttgagagtct ttctctctct cggatttaac caggattcca acgggcagcg ttttgattga 360
gaacactggc aattcatcct cctctctcga aaacttccgg cggccga 407

<210> 921
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-B4

<400> 921
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gagctagcta ggactcatgg ttccgtaga aggatgagga ccactagcgg tagagcaacc 120
ataaagcgtc gacgtgccaa gggacgttgg aacctctgtc ccaagtccaa ccctagcagc 180
ggcaaacggg cttgaagttt gtttctctct tcaactctatc tgtaatcttg tttcatgtgc 240
tttttttcca ccagaagata caatgagaaa catgggtcgt tgagctcttt tctgcgtttt 300
aactctcttg catccttgat tcggtttataa atcaatgttc ttggaattca tcacatgtac 360
tactatacta cttgcttcat tgaatttggt actactccga aaaaaaaaaa aaaaaaaagg 420
ggcgggcgcc cgactanttg agccccgtcc aaccccgga antaaa 466

<210> 922
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-03-Q1-B1-C2

<400> 922
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atcgggttctg aaatttgtag ctatgcaggc aacggcttta tcatctgggt tcaatcctct 120

aacgaaacgt aaagatcaca gatttcccag gtcattgctct cagagaaatt ctctgtcttt 180
gattcaatgc gatataaaag agagatcttt cggagagtct atgacgatca cgaatcgtgg 240
attgagtttt aagacgaatg tgtttgagca agctcgttct gtgactggag actgttctta 300
tgatgaaact tcagctaaag cacgttctca tgttggtgca gaagataaga ttggtgtctt 360
gcttttgaat ttaggtgggc ctgaaactct taacgatgtt caacctttcc ntgtataatc 420
ctccttgctg attcggatat tataanggct tccc 454

<210> 923
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-B1
<400> 923

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ccgatgcatt ttcacggctg agggngccgt cgcaccgccg tactaaacga actgattagt 120
tctttagatt ccttaagtct cacggaagca cttgcagctt cttcatcgtc tcccgttacc 180
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ccaacggtct tccgccgttg gcttngatgt tcggagaaca ggagatttcc aaattacnnc 300
aagagttngn tctccaacn aatttgctct ttnaactttc cttcaanntc caagtttnac 360
cttccaatgg gccaancttn aaggccaanc aaccgttcga anctttcctt tgggngatgn 420
aattnaaac aangttggtt ggccgggggt aaa 453

<210> 924
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-B6
<400> 924

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gagaaaggag acccgccaccg gctgccaggc catgattcgc cttcgactca tccactttga 120

tcgatggaaa gttgatcaag tcaaactcga ccacaaccac tcctttgatc ctcaacgtgc 180
ccacaattcc aagtctcaca agaaatcctc ctctcagct tctcctgcaa ctaagacaaa 240
tcccgaacca cctccccatg tccaagtccg gactatcaaa ttgtatcgaa cccttgcctt 300
tgacacacca cccgctcttg gaacttcact ctctancgg gggaaaccan ccgatttcaa 360
gccttgatna acttcaatcc ttcaanggcg ccttgggagc tcaaaagggg ggtttaaggg 420
gcccttgcaa ggat 434

<210> 925
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-029-Q1-B1-B8
<400> 925

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aatatgtcga tggctcgtgt tgatcgagca ttctatcaag ctaagaaacg aggtgtaaga 120
atccgcggca ttataatctc gaatccttca aatcccatgg gaagcctact gagcagagag 180
aatctctatg cgcttttgga ctttgcccgt gagaggaaca ttcataattat atcaaacgaa 240
atctttgctg ggtcagtcca cggagaagaa ggagagtttg ttagcatggc tgaaatagtt 300
gacacggaag agaatatcga cagggaaaga gttcatatcg tgtatgacct ttcgaaagac 360
ttgtctttcc ggggggctta gattcgctgc tatctactcg ttcaacgaga gtgtttttatc 420

<210> 926
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-C1
<400> 926

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tccttagaga tatctggccc actgtatgtg gaagacttac caaacatca ttggatatca 120
aagaacttgg gtcagggaaat ggcatgtttt ttgtcccga gcgaccttat acatgtttag 180
ggacactgag agatcaaatt atataccctc tatctaaaga agaagcagag aaaagggcag 240

caaagttgta caccagtggg gagagctcaa cagaaagctg ggaagcattc cnggattcct 300
catttgaaaa ccaatcctgg gagaatgttc cggttaagtt taaccccntg gggaaagaan 360
accgtnaggg tgggnttggg gatgccaaact aaccaaattt ggggaaagac cataattaac 420
cnccttggg ggaaacca 438

<210> 927
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-A8
<400> 927

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cttgactcct tccaaccgtt atagttgaaa cggtcggcg tttttgacgg cttcaatcac 120
ctcatttgag gtccgtcttg ccattccagg aagtcaagat atcaatttcc gaagtctatt 180
cttattagca agtgatgaca agagatcaga agcttcacct cgtgggttgat tgtttgctga 240
caacttcttt catgcttttg ttctcgaaa agatccagtg atgagaagag aaagaatttg 300
aagataaaat tgaatccttt nacctttttc gggtaaata agttgggttg gttttaataa 360
tcccgggaga atgtttccng gttgtttaac tccgccggga aaattgtgcc gggcttccng 420
tcctg 425

<210> 928
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-C3
<400> 928

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agttgtcaga tgtctggaag ctgcaatcca tanacgagtc agcgaggggtt ggagtttgga 120
gctctgcgca aaggacagag ttggattact gtcggaagtg acaaggattc tgagagagca 180
cgggctatca gtgtcgagag ctggtgtgac aacagtanga gaacaagccg tcaacgtttt 240

gtaacctcaa ggtctctgac ttggtttat cagctttacc ggagcatcta caaaacggat 300
 tgcttcacac ggcgtgtggt actccggctt atacagctcc ggagggttatt cacggagggg 360
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<210> 931
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-D1
 <400> 931

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 tccgaattgt tgtcttancc ggtcgtcgct tcaatgaaaa ggaaggcttg ccagcattcc 180
 ctatgggaaa tattgaccag acaagaatgt ggaagggtggg tgaacgcgtc aggaagtcca 240
 gacctgctgg tgacttgggt ccattgtatc ccttcaccgc tggagtttat gtagcactta 300
 tgatggctca gattgagatc ttgaggaaga aagggtcact cttactcaga aatcatcaac 360
 gagagtgtga ttgaatccgt gggactctct aaaccantt atgcacgcca angggaattg 420
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 gggcncca 488

<210> 932
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-D2
 <400> 932

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 agcgatatct gcggcagctg cagatgcgga agctgccgga ttatggacac agatcaaggc 180
 ggaagctcgc cgtgatgctg aggcggagcc agctttagct agctatctat attcgacgat 240

tctttctcat tegtctcttg aacgatctat ctcgtttcat ctaaggaaac aaagctttgt 300
tctcaacgc ntttatccaa cacttttata cgatntgttc cttaaact ttttctccc 360
gatncttctc ctcgtaacgc caaccgttgc aaatttaggc gctgctcgtg ttcgtga 417

<210> 933
<211> 197
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-D5
<400> 933

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gagcggatgg aataattctt gtgtagtgag ttgaatttg tttcatcagt agagcttgag 120
atTTTTtGta ttttaagatc atctgttaat gtaatggttt tatgttnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnn 197

<210> 934
<211> 351
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-029-Q1-B1-D6
<400> 934

ttccatttat cagcatcgtg gatccagaaa ctctgaaaga tggcgtctga gctgacaaac 60
cggcgacacg agatagagca accagaagcg gaatcttatt atccaaagcc gataaagcca 120
tggttcgtag cgattcgtcc gatccgttac atgctcagag aacagagact cgtcttcgtc 180
ctcgtcggca ttgccatcgc cacattagga ttcacaatct tctccaaatc atccaaccac 240
caaccaattc cttacgacgt ggatccgctt tccggatacg gatgcgatcg gagtcatcgt 300
atctgcaacg acgatcataa gaagccanca tcgagtacat gagccgntc g 351

<210> 935
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-E1

<400> 935

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 ccgcaaantt tinctncaacg ggcgaaagaa ttgccgcttc tccttctcgt aatgtcatch 120
 ccgattaaaa ccaaaccgtg ggcaagtcct ttggggttaga ctcttcacaa gctagggtca 180
 cgtgctctct cactctgac ctcaaagact tcgctggaaa atgctccgac gccgccaaga 240
 tcgccggttt tgctctagcc acctctgctc tcgttgtctc gggggccggt gcggaggagg 300
 caccaaaaga ggctaacgta cgacgaagat acagagcaaa gacttacatt ggaggtnaan 360
 ggttaccggg tacgggaaaa caagtgttca aactatcgat ggggggtcct gaaganaatc 420
 cccgntcaaa agctnggtaa gtncacaagg caaaaantt ctgctccaag ccaactttc 479

<210> 936
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-E3

<400> 936

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 gaatctgagt aggaagatcg gtgcagggt agtcgctggt ggaatcggag ccgccgttgg 180
 aaatccagct gacgtggcga tgggttaggat gcaagctgac gggagggttac ctttagcgca 240
 acgtcgtaac tacgccggag taggagacgc aatcaggagc atgggtaagg ggagaaggcg 300
 taacgagcct tgttggcgaa ggctccggcg ttgacgatta accgaaccaa tgattgttga 360
 cggcgggctc aacctaaccg tcctaacatt aanttcaaag gaanggatan ttgganaatg 420
 ggggttaatga attgatt 437

<210> 937
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-F2

<400> 937

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ggttaccggt ggtagctcta tctctcttta aggatagcat cataatggcc aaggctgcga 120
cgattctcct ccctagtcaa accggatttg atatttctcg gagtccggta tgctctgctc 180
cggatccgaa cctaaattac agaccgggta ttggtattct gagccatcct ggcgacgggtg 240
cgtcaggtcg tttgagcaat gctacagacg cgtcctccat tgcggcttcg tatgtgaaat 300
tagctgaatc tgggtgggagc acgtgtgatt ccactcatct ttaaagaanc ctgaagaaat 360
tctccttcaa aaagctaaaa ntgggccaac ggtgttatac ta 402
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<210> 938
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-029-Q1-B1-F3

<400> 938

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caggntccct gaatttagac caaaactann ggnccaacta anaanttcaa annnnacccct 60
tanttaancn cggaattcgg nncgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tncngcggag gagcttcttc ttcgtagggn gttcatcggt 180
attaacgtta tcgcccctac gtcagctcca tctccagaaa catgggtgca ggtggaagaa 240
tgccgggttc tacttcttcc aagaaatcgg aaaccgacac caciaagcgt gtgccgtgcy 300
agaaaccgcc tttctcgggtg ggagatctga agaaagcaat ccccgccgca ttgtttcaaa 360
cgctcaatcc ctgctctttt cccctaactt atcaagtga catcaatata agcctcaagg 420
ctttcnacta aggtcgccaa ccaaatttac ttctctctc ctccccctcaa gcctctctcc 480
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<210> 939
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

<400> 941

caaaaatcat ctcaagatca gagcccagat cccaaaccga cgacaccaac cgggacgtcg 60
tcgacaannc ctgccggaga tagtagtacg acgtggtcac cggtagatac atcaatgata 120
tacgaaggag ctttggatca aaacaaagga tcaccgtcca cgtgtcatct ttcgttatgt 180
ggaatcacag tcacacttgc gctggccttt tgtcggatgt ggcggctctt ttgacaccta 240
actttgtctc ccgcgtaaaa cactgaagaa tgtgggcctt cactgacgaa agccttatct 300
cgttccgggc catgtgaacc ggttattccc gaacgacgtc ggattgggtc agagttgaga 360
aaaaaagtta acaacaccta cagttacgaa nata 394

<210> 942
<211> 366
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-027-Q1-B1-B12
<400> 942

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gaaaatgggg gagcttttgt gttcttcact gtggaaccg tcacgattca ttgttgcttc 120
tctcaaaagg tattttctgg gtttagcttc ttagaggctc ttcgttctta aaggctctgtt 180
tttttttagg ttgtgatact ttgaatgtaa aaaagggaag atttttagtt tcgatatgta 240
tatctctcgg atgggtttga gtcggagttt cccgccgctt tttgggggat tttcgggaaa 300
ttccaagggt taaggttgga taatgtcttc ctccaacaat cctctgccac ttttaaaatc 360
tcctca 366

<210> 943
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-B6
<400> 943

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ngcgtccttt aatccggtaa tcgtcttaca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncttatg agttttatta 180
 cgatgatgga tctgggttcag gtctaagacc tcttcctgat tctgtatctg agatcttgat 240
 gggatctgga ttcgaacggt tacttgaaca attgagtcag atcgaagcgt caggtaacgg 300
 aatcggtaga tctgggaatc caaccggcgt cgaaatcagc gattgaatcc ttacctaaaa 360
 tcgaaatcca agattgtcat acgaaagcag aagctaaatt gcg 403

<210> 944
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-A4
 <400> 944

ggtcgatatt gaaaccaaatt ccgttgagcc gatgactgtt tctgtacagc catcctctgt 60
 ccaagtcggt gcagaggttag tancaccaga agaagctgcg aaaccaaagg gaccaagccg 120
 atgtactact tgcaataagc gggttggcct gactggattc aaatgtcgct gtgggagcct 180
 cttctgcgga acacaccgct atgcagacgt acatgactgc tccttcaatt accatgctgc 240
 tgcgcaagag gcgatagcta aggnaaaccc gggtgtgaaa acaaganaaaa ncttgacaaa 300
 aatccgaaaa tcctaantta aactttctcc tgggtttcat caaggtgggc tgggtgttcc 360
 cttctcctgt ccngtgcctt gggttcaagt natt 394

<210> 945
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: ARABL1-027-Q1-B1-C10
 <400> 945

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 cagttgcgaa tcgagctgga ttcttgggct cgctttttct ttcaatcaaa agtttcgata 120
 ttagtgaagg ataaaattcg ctaaaaaaag agaatttttt ttgttaaaaa aattataaaa 180
 gctggccttc tcaaaatttc tccatgtggt cgacgaagaa gacgaagaag acgaagaaga 240
 aagagaaagt ctcttaacaa acatgaccgc caccgaagct aagaatcgca aaatcaatgt 300

cgagatgga gatgacgttg ttgatatcga aatccctgac actgctcatc aaattagcag 360
cgattcatgg gttcaggtg 379

<210> 946
<211> 383
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: ARABL1-027-Q1-B1-C12
<400> 946

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ggaggtggtg gtggttctag tggatcgctc tccactagag actactatgc aatgttttca 120
ccaagggcaa cattattaga gtcaaattca atgaccaa atcatcagc ccaacctttt 180
caaggaggct tcctttttaga gaaagtaatg ggccattat caacgggtca tttagagctc 240
aagaccgaa acccaaaaga taaccgatt gtgactttca actatttcca acatcctgac 300
gacctaaaac gttgtgttcg aggaatccaa aaccatagag agagtccgtg caatctaaaa 360
gcttttcgaa ggtataaagt acg 383

<210> 947
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-C2
<400> 947

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cggcgcgtac tacggaccat caattccacc accgcctaag gtcacccgca gctataactc 120
acctggattc ggatgctgtt gcttcagctg cctcggaagc tgtctacgtt gctgcggttg 180
ctgcatctta agcctgatct gcaacatcct catagctgta gccgtaatcc tcggagtcgc 240
cgctcttata ctctggntca tcttcgctcc aaacgcgctc aaattctaag tcgccgacgc 300
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aatctcaciaa tccgtaacct taatcaacga atcngagtct a 401

<210> 948
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-C3

<400> 948

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 ctctcagtct ttctcgctct tcctcgctct gttctttcca acaccggtaa actctctcat 120
 tccgaccaag atctttctaga tttttcaatt taggtttctt gatctagttc tagtctgaaa 180
 atcgtcaaat cttgtttcat tcaagcctag atcttgatca atggcgatta cgttggttaac 240
 taaactatac ttctcgtgtt ctgtttttga tatccacaga tggagaaaac cttctattta 300
 caagtattca accaatacag agaatcagta aacctcaca acctaanaaa ggaacaaaaa 360
 cgcagaatgt ctagcagacg aagtcgtana ccaat 395

<210> 949
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-C5

<400> 949

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 aataggnaca caactaaaga gatgtcgtca accttgagca acgaagagtc aggactcggc 120
 gattcaaata gtctgacgga agtagatggc ggcgacggag gaaacttcac ggcttacgag 180
 tctcgattcc agtcgcagcg gtttgactct tccttctcta attttgactc ccaaccggag 240
 aaagagtcag acttaccatg cggcgattca tctcctcgac ccgaaactca atctccgccg 300
 tcgataaata gtttcgatga tacaacgat tcgathctgc cgccacatcg ggcattgnga 360
 aagaggaagg ttctgtccta ngagatggcg aag 393

<210> 950
 <211> 404
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-C8

<400> 950

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tgtaaaaagt acgaaaagta tgatatcaat agacagagag acgctaattgt ctccggcgac 180

gatgctttct cccgccttta ctccgccgtc gaatatgctc tcgaaactgt tcttcagaaa 240

acagaggatt tgtcgtctga gacaaacaaa gcgaaagctg tggcgatgaa cgagagatt 300

cgaagaacta aagctcgatt gcttgaaagg aattcaaaaa cttcagaggc tttctctcaa 360

aaaagncaaa ggactttcaa aggaggagct tgatgctagg aatg 404

<210> 951

<211> 338

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-D11

<400> 951

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ataatctgcc tgactagggc tttagcagtg tataagagac gagacgagac gcgattcacc 120

ggagagtcaa agaggcaagg aggagaaagc caatggcaca tgccacgttt acgtcggaag 180

ggcagaatat ggagtcgttt cgactcttga gtggccacaa aatcccagcc gttggactcg 240

gcacgtggcg atctgggtct caagccgcc acgccgttgt cactgcaatc gtcgaagggtg 300

gctatangca catagataca gcttggaat atggtgat 338

<210> 952

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-D6

<400> 952

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 agatcgaaga aacnatcaat ttcttaccaa agtcgtgatt cttggatctc gtctttgttt 120
 gatggacaca attaggggtt ccaaggaggt tcctggatct tcgaaatcga ccgcacagtc 180
 gctcacggag tcgacctctc gcacggaaac catcaatggc tcccacgaat tcaagatcag 240
 cggctactct ttgggtcaaag gcatggggat tggcaaatac gttgcctcgg atactttcat 300
 ggtcgggtgga tactcctggg catctacttc taccagatg gaaagatcca naggataatt 360
 ccgtcaagtg tcncctcat agcccttgca antgaaagg 399

<210> 953
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-D7
 <400> 953

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 aggtggtggc ggtggatacc gcancggcgg tggaggaggt tactccggtg gaggtggtag 180
 ctactgcgtg gcggcggtag acgcnaaggg tggaggagga tacanccggc gnnngcngcg 240
 gttactcctc aagaagttgt ggtggcnnga agctaccggt ggtgggaaga cnttaaggga 300
 aggangaagg ataccggtgg ttggnntaaag gaggaggttt accggnnggn aaccggttgg 360
 ttgttgggaa aggatgggta aattccn 387

<210> 954
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-027-Q1-B1-D8
 <400> 954

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 gttatgccat agtagaagag ttggctggtt ttggagctag aatccatgta tgtgacatct 120

ctgaagctaa gctcaatcaa agtttaagcg aatgggaaaa gaaaggtttt caagtaagtg 180
gctcagtttg tgatgtagcc tctcgtcccg agagagaaga actgatgcaa accgtctcct 240
cgcagttcga tggcaaaactc aacattcttg taagcaatgt gggcgtaatc cgctcaaagc 300
caacaacaga atataccgaa gacgatttcg ctttcatata tcatcaaagc tggaanctgc 360
ttancaatth aancagctth caatcctctc ctaaaggctc aggctatggg 410

<210> 955
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-027-Q1-B1-E1

<400> 955
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gcttttccgg tcaaagcaac tactccttcg acggntaacc atacgcttct cggaagtcga 120
agaggttgtc ttagaatcaa agcgatttcc actaaatggg aaccgacaaa ggttgcttct 180
caggcagaca gagttcttgt tcgtcttgaa gatcttcta ttaaatactc aggtggagta 240
ttgttgcta aagcagctgt gaagtttgag agataccta caggagagat tataatctgt 300
ggttctgang ttggcaacaa ttggacctgg aaaganggtt tgttctctga tgtgacgctt 360
atgangtcaa tttggaaccg atgctagc 388

<210> 956
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-F1

<400> 956
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ctttgtttct ctagagttgt gggagcaaca ctggtaaaga attctgaatg ggatgaagcg 120
gtaggctttg ctccaaaatc aggactcatc tcaacgctaa taagccatca cttcactgca 180
gcacaaaaac caccaccacg acctgcagac gtgaatataa attcggctat atatcctggg 240

aactatcncc tatttttttac ttgtcttta anaagataac tacaaanttt ttt 413

<210> 959
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-G1

<400> 959

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tgttctctcg cagcgttaca tggccctgat ggatcttcag gaaaggaacg agaggttggt 180
ctacaagctt ttgattgata acgttgagga gttgcttcca gttgtgtaca caccaacagt 240
tggtgaggct tgccagaagt atgggagcat ttcaggaag ccacagggtc tctacatcag 300
tttgaacgag aagggcaaga ttcttgaagt tttgaagaac tggccccaga gaggaatcca 360
agttattgtt gttactgatg gtgaaccgga ttctcggtc tgggaaatct tggntgccaa 420
ggaatggga 429

<210> 960
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-G12

<400> 960

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attcggctcg agaacaaatt cacactctct cgcgcgcga cagactcacc gacaccacca 120
ataatgtctt cttctcggc gattcttccc gtcaccaacc agcaagcagc cactcaatct 180
caacctccaa tcaattctca cgccttcctg actttctct cagcctctc gtctctctc 240
cgcgaaagcc tctctcaacg cgtccatgg ctagaactcg tagatcggag ctccttcgct 300
agacctgact ctctcaccga ttcttctcc cggatccgta agaactctgc ttacttcaaa 360
gtcaattact ccgcaattgt ctcgttagtc cttgctttct cctcctctc gcatccattc 420

tcgcttctcg tctctctctc tctcttaggc tcttgatgt ttctctacct cttccgatnt 480
tcagatnagc ctttggnctc ctttggnctg antttctcaa attgtgagaa attgg 535

<210> 961
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-E2

<400> 961

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cttaaccgat gttgttatca ccggtgagaa tgggacaatt gatggacaag gagaaccatg 120
gtgggggaaa ttcaagagag gagaactaaa atacacaaga ccttatttga ttgagattat 180
gcattctgat ggtatccaaa tctccaatct cactttcttg aattctcctt cttggcatat 240
tcacccggtc tacagcagca atatatatat ccaaggtttg acgatattag caccggtcac 300
ggtaccaaac actgacggtg tcaaccaga ttcttgtacc aacacganga ttgaggactg 360
ctacattgtc tccggcgacg attgtttccn ccgttaaaaa tg 402

<210> 962
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-G5

<400> 962

caanagatca atanattaca anaatgcagg gagctctgtt tatcanacca actattcttc 60
ttctcttcc ttctcagtt tctcgcnaa aactcangtt ttctcttcc tcacgcaacc 120
aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tctgtttttc cagctgaagc 240
atgcgaagta atcaagtga tacgcttggt ctgctgatat ttaccctgaa gtcaagctcg 300
atacaaagcc cgtttcangt cccgtggctt cagaagccgt tgacangaga atacgaagag 360
tatancaagc cccaaagacg gttttccgtn aaagaaggcc tgcgaatgat cttgggangg 420

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-H10

 <400> 965

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 aagacgagtt caacaagcag tttaacgcag atgaagacga cttcgtgctc cgacagtcaa 120
 agaagaaggc cgacatacga gtccgagatg gacgtgcaa gccaatcgac tacctggcgt 180
 tcacccttcg atatattgat gcagagcgcg acgtgttcga tgacgaagag ggcgatctcg 240
 atatcgaggt accctcgccg gcaaagattg tacagggact cggagtggag gaattgaacg 300
 aacttgaagg cgacattgct tcgtaccatg tcttgagtc aaacgctcgt aatcgatcct 360
 antggaaggc tttgcaatca ntttgccga ancagangac gaantagat tccgcgaaa 419

<210> 966
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-H5

 <400> 966

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 aagagaagag tatcgagcaa aggacttggg gctgttctta aagaacaaag agctaagcta 120
 tacatcattc gaagatgtgt cgtcatgctt ctttgttggc acgattgatc ctcaatctgt 180
 cttcagattt catcctcatc aatctttatg tataaaaggc tttcgtgtgt tggagggaga 240
 agagtccgtg atgtttggga gcttaaccgg cctggcggat cgggtttgat tctacgcgag 300
 attgtggatg aatcggttaa gaatttgact tgtttttgat taaacctctc caataaccgt 360
 taacaagatt ccttggttcc tttgggagca aatatttgta aattcaaag attttn 416

<210> 967
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-H6

<400> 967

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gccggcgagg aaaccatgtc gcacttcgga aggtcaggtc caccggatat cagcgacacc 120
tactcacttc tcgtccttaa catcaccttc cgtacgactg ctgatgatct ctatcctcta 180
ttcgcaaagt atggaaaggt cgttgatgtg ttatttccca gagatcgaag gactggtgat 240
tcgcgtggtt ttgcgtttgt tcggtataag tataaagacg angctcacia agcagtggaa 300
aggcttgatg gaagagttgt tgatggcaga gaaataactg ttcagtttgc gaaatatggg 360
ccaaatgctg aaaaaatttc caaaggaaga gttgtggaac caccgccgaa ntcacgaaga 420
tctagaagcc gtagtcnaa ggcggagtcg taat 454

<210> 968

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-H8

<400> 968

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aagatatagg gtgtgacttt ctttaatagg tctataaatc tggctatata aataaatgag 120
atacgcgata cagtataccc gtttgtgaag taaaaagaa cttttaactt catgtccgaa 180
tagactaaaa gtggtaaaaa gaaattggaa ctaagtcac tcgaatcaac ggattcatga 240
taaaatccct ttatttatta aaaattttta gtgggtaaga ggattaaatg gtgtatattc 300
ttttgttaat agcttggagg gattaaaaac atgactattg ctttccaatt ggcagttttt 360
gcattaatta ttacttcatt aatcttactg attagtgtac ccgttggtat ttgctcncc 420
t 421

<210> 969

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-H9

<400> 969

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actcattctt cttcttggtc aagtgggtgc tgattctgaa atctcttctt caataactta 120
gctcctaagc accgtgccac agcctccgcc gtagttacac atcctccgaa tggttccttc 180
cttagcacia gctctgaatc gtagatggtt cctccactca ctgatgcgtc tatttccgta 240
tccaaacaca ctctaaccgc tctgtcttct cttaacacca cctcgctagc tttgaccatc 300
tccttcgctg gtttccacgt cgcgtcgaat acgattagtc tcagcggcgg gggatttgag 360
atccacgatg gtttaagaag ttttaaggant tgaattcnga tatantgacg gcgggaaaag 420
aangagaaga aaggaaa 437

<210> 970

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-A1

<400> 970

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ccagcagcag caggaatcat gtatgcaact tcttctacct ccttctttac attaaatatg 120
cttcaacatt ttgttataaa acaaacaaca agaacaacat gaacttggtg gtttatcgaa 180
ttctcagttt tggtttgcgc ttaacaacgg tttgttgaca gtttttcgtg gagcgagaaa 240
cgtcaggggtg ctgcttttct ccctggcacc caaatggtat tctttatact gaatgtggtt 300
ttggcacttg gagttgtatt gacattcaaa ccatttctag ctgaaacaca acagtagaaa 360
atgatgaaga ttttgatggn antcaaatta cataatcaga atgt 404

<210> 971

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-027-Q1-B1-A12

<400> 971

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gaactctact ctgttccttc tctcaatatt tcaaattgtg tcaccgtcac tcttactgcc 120
aagaactata ttctctggaa atctcagttc gaatcttttc ttgatgggtca agggcttctg 180
ggttttgtca caggctcgat tcctgcacca agccaaacca gcgttggttc agacattgat 240
gggtcaacat cggcttcacc caatcctgag tactacacct gggttcaaga cagattgagt 300
tgtcaaatcc tggctccttg ggtcttcctt aaaagatant cccagtgttg tgggtcaactg 360
caacac 366

<210> 972

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: ARABL1-026-Q1-B1-A2

<400> 972

caacaacaac tacaacagct tattgagcag agatggatca tcaatttggg tatgggtgttg 60
aagttactgg gttatctcca tctgttactc ataatgatct tatcgatttc ttctctttct 120
ctggtactat ccaagatatt gatattgtca ggtcgggtga gcaagcttgt actgcttatg 180
tgatgtttta ggattcttat tctcaagaaa ctgctgtttt actcactggc gcaacgatat 240
tggatcagcg tgtttgtata actcgttggg gacaacatca cgaagagttc gatttctgga 300
atgcgacttc gcgaggtttt gaagatgaat cggactcaca acattatgct caacgaagcg 360
agttcaacgc tggagaagca gtgacaaaag ctcaaga 397

<210> 973

<211> 387

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-026-Q1-B1-A5

<400> 973

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gtctcatgtt ctgacattct cgtcttgtcc gcaagagaag gcatcgaagc agtatgagga 120

ccttatattc ctttgaagac aggaaggaga gatggactta aaancangac ggatatgctc 180
gagtcnatic ttcccgacca caacgagagt atctccgtcg ttcttgaaaa gttcaaatic 240
atcgggtatcg aactcccg nctccgtcgc cctcctangg tcacacancg tgggaagaan 300
tactgtgtc aaactgggcc atcnnttggt ccctgaggt ggaccctcn ntaaanccct 360
gacaagttcc tcacatgcta ggcaaag 387

<210> 974
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-A7
<400> 974

ttctgaactt aatctactat atggtggtag aagtacttcc atcggcacta gtcctcttca 60
ttctccgaaa gctacctcca aagagagtat cagctcaata ccatccgac cagtagaaac 120
ctttgtcact gaaccatctc acacggtgag tatgatgctg tttaagagaa gagtaaagat 180
taaaaaaaaa attggggcaa aaaatgaaag gtgaagaaga aatcgggtgtg gaatctgcgt 240
gagtttttgg aatgcacgtt catataaatg attttacagc ttttagttgt tgtagcccg 300
cgtgactttt ggtttggtaa tttatgtccg ttaaaattat aaattgctct tctgctactt 360
tgaaaaaatc tgggcagtan tacaagaggg ttaacatttg gtgcgtcaat g 411

<210> 975
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-B5
<400> 975

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agcaacatca accacaccac caattcctca agatcaatct cccaattctc gtctaccaac 120
caaaatcatt ctaccaata agaaacctga gaaatgggcc accggagttg cccccggaga 180
gtacggtggg cctccgacta ccaccaagct ccgaaagtac tggggaggtg aaaaagaaga 240

tcccattact tccacagact taatctggaa cagagatttt atggatcaaa tgaagaaatt 300
 gtttgatgat cctaattgatt cttctctcga cccatctcct tcaaaggaaa agtcttctgg 360
 gtttccgagc tttaacaaga gttatgagtc ttgacagtan gatgttgatt taaagttaaa 420
 gagcttgca 429

<210> 976
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-B6
 <400> 976

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 agcagaagac gaatctggat ctgggggtcac ttcaagattg aattaagagg tttttaagta 120
 agttgagatg tcagttaaag caaggagaat ttctggtaga ttagagactg tagtaactnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcca 360
 aagccttttt acaaggaact gtcaacnttc naaaatcccc ctccgaaaaa ncaaaccggt 420
 tgttg 425

<210> 977
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-A12
 <400> 977

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 aatggaaagc tggttcccca cttgtactgc atcggtgatg ccaatggtaa actgatgctt 120
 gctcatgcag ctagtgctca aggaatttct gtggtggagc aagtcacagg tagagatcat 180
 gtgcttaatc atcttagcat cccagctgct tgttttactc atcctgaaat aagtatggtg 240

ggattgacag agcctcaagc gagagagaaa gctgagaaag agggattcaa agtaagtatc 300
 gccaaagacaa gtttcaaggc aaacacaaaag gccctaaccg aaaatgaang agaaggactc 360
 cctaanaatga tatacagacc tgacaatggg gaaatccctg ggagttcaaa naattggatt 420
 gcatgcngct gatnttaacc atgaancatc aaaccgaatt gg 462

<210> 978
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-B7
 <400> 978

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 gaagaaacac tgtttagcag gagttgaaga aatgttggtta tactatacga gaaagatgga 120
 aaagatagat agatgctctc atctattctt gaagatactt tctactgttt tgatctcaaa 180
 tcttaggcag gattcatggg cagatgcttc attctttccc ttcccccatc ccagtgttgt 240
 ttctgcattg ctttctccag attgcgaggg tgacagaacc gagagaatct gtgagcggaa 300
 gttagacggg aacaacgatg tcaggattgg tttggaaaag atgttgaatg aatgggtcan 360
 atttggttga antgaataaa tgtttaataa tgtct 395

<210> 979
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-C3
 <400> 979

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 cttctcagga gtatttcacg agacacaaaag acggttgacac tcttgacaca gaaggagaga 120
 aagagagagt tgtcaaatgt ctggaagctg caatccatag acgagtcagc gagggttgga 180
 gtttgagagct ctgcgcaaag gacagagttg gattactgtc ggaagtgaca aggattctga 240
 gagagcacgg gctatcagtg tgcagagctg gtgtgacaac agtaggagaa caagccgtca 300

ctcctttcag ttaccttttc gatggtattg agaaatcaga tgctaattat ctatcttctc 360
 ttcgagctcc agttaagcgt gtcagaactg aagctacgta aagtgcangt atctatctgc 420
 atatcgt 427

<210> 984
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-E10
 <400> 984

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 tattgcaatg gtgaccagaa cttagaagca aaccttctag atcatgagga aactgaatca 120
 ttttcagtac ctcaaacgaa gaactgtaag aggtggctcc gtgtctccat atacgcaatc 180
 tttgtcatct tctgccaaacc acttgctaca gttctgggta gactgtacta tgaaaatgga 240
 gggaaaagca catatgtggt aacacttctt caactcattg gcttcctgt actgattctc 300
 ttccgcttct tttctcgaat caggcaaccc aaatcaacag atacaaattt cagtcagtcc 360
 ccttccttca acaaccttgc atcgggtttac ttgtgactg gactgctaata gtctgcttaa 420
 gcctaattgt ccgcaatttg ggtgcntt 448

<210> 985
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-026-Q1-B1-E11
 <400> 985

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 cttctcccat ctcttccaat ttcacgtta gtgaagtttc ccgaaaccga cgatgcgacg 180
 ccgtttcttc cagcaccacc gatgtgactg aattagccga aattgattgg gacaagattg 240
 attttgggct taaaccaacg gattacatgt acgccatgaa atgtagccgt gatggtgaat 300

tctctcaagg tcaattgcaa ccttttggtgta acattgacat taaccagca nctggtgttc 360
tcaactatgg acaaggnttg ttgaaagng naaaaactta aagaaaacaa gatgggaaaa 420
tccaaacntt cgttctg 437

<210> 986
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-026-Q1-B1-E12
<400> 986

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tgcaaactct acaggggaag gaatagttcc tgacccttgt attcctaaag ggtatatacct 120
tgaaacaaat ttacaaaagg acttacctgg attcttggct gataaaggca aatttacagc 180
cacccttcaa gctgctggta atttctcaga gtgtcgatct gctgcatttg ccatgttgca 240
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gggagaaaaa gagtggctgt ctgaaatgat ttggccgga aagagatctg tggagaanaa 420
tggtcaaaat 430

<210> 987
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-F5
<400> 987

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tggtgttggt cacatctttg catctttcaa tgacactttc attcatgtga ctgatctctc 180
cggtagagaa actctcgtcc gcatcaccgg tggcatgaag gtgaaggntg accgtgatga 240
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aagcgggtct actcgaagag tctgatttcg ggctcgatct aattatcnga agttatcga 419

<210> 990
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-F4
 <400> 990

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 ggacaagtgg nggctgcctt gccctaaggt tccgcctaac ggtttgtcat gaagaggcca 180
 ggaagaaact gcagcagtgt cgggactttg ctaaccagat tctcaaggct gcattggcaa 240
 ttaacagtgg cgtgcttgcc gaaatggnga ttcccgacct ttacttgag actttgcca 300
 agnagcggga agggaatgtc ttggganaaa tnactnacca ntacttaact gcaaaacaag 360
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 cttaaaatcg ccaaacggg 439

<210> 991
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G11
 <400> 991

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 aaatcgacgc cgtttcagcc gtacagttag gtgttcggaa tccagagatt cagggaatgc 180
 gaactcatcc acggacgggtg ggcgatgctc gctactctcg gcgctctctc cgtcgaatgg 240
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 ttggggcagc cattaccttt ctgactctcg acattgatat ggatcgaggt gttagtgatc 360
 ggctacatcg agttccagcg caacgccgag cttgattcgg agaagcgttt ataccccgga 420

ggcaagttct ttgacccgct aggttttagcg gctgacccg agaagactgc tca

473

<210> 992

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-025-Q1-B1-G12

<400> 992

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agaatgcctc cagaagctgt tgatttggtc tcaaggcttc ttcaatactc tcccaatctc 180

cgttggtctg ctcttgattc attggtccac ccattctttg acgagctaag agatccgaat 240

gcgcgattac ccaacggacg tttccttcca ccgctcttta actttaagcc tcatgaactt 300

aaagggtgtg ctgtggagat ggtggcgaag ttagttccag aacatgcgag gaagcaatgt 360

ccgtggctca gtttgtgatt tgttctcacc tgcaaacacg aaaactaaga gcanagcagt 420

<210> 993

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-025-Q1-B1-G2

<400> 993

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agtgtatcct tcacaaaacc aaaacacact ctccattttc ttcagacang tctttctcct 120

ttcttctctc ttctctgtct catcacaaac cagaaatggg aggagtgtcc ttctcttcca 180

ctgttccttc cttcaccaac acaaccaatc atcaacatct cactacactc tcttcttctt 240

ctcatcgctc tgctgttata cgatgttcca agattgaacc tcaagtttcc ggtgaaagtt 300

tagctttcca ccgccgtgat gttctcaaac tcgccggcac tgcagtcgga atgggaatta 360

atangnaacg gggttcattaa caatgtgggt gatgcaaaan gctgcgactt gaacaacggt 420

gacaacgatt cgagnttca 439

<210> 994
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G3

<400> 994

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ccatcacagt accagtcaat agttgatgca gaatggaata tcatttatga caaactaaga 300
caaatgtgtt gagagtggag caaaagttgt tctttctcga ttggctattg ggtgatctaa 360
ctactcanta ntttgcccga tcgtgatatt ttctgtgcc tgggccgtgt tgctgaggaa 420
gattcttaan cggtgttggc tggctgc 447
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<210> 995
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G6

<400> 995

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ggatcagcaa tggctttcaa tgcgtgcctc atacatggag tttaacacgg tgatgaaatc 60
aacaaggaga cagctggaga gagagctgat gctggaagac ataatgcatc ttgaggactt 120
accctcctac gctcttctca atcaatagcc cttatgatga tattaatatag taagaagagt 180
ttctaacctc aggataacac aaggttgctc tactctctct ctctcttcac ttttcatctt 240
caacgctttc ggttctacct cttcgttgac cttttcttgt gtttggtggt tctaagaaac 300
aacttcaaca ccgagttggt acttggtata ttaaaacaag aaaaagagtg tgagananac 360
gggggagaag gttgggataa atcccaattt tgggtgcaag gatttгнаac ctaaatggaa 420
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<210> 996
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-G7

<400> 996

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 gaagagagag gacaagtaga gcaatggtta gacgttgagg ctacaagtta ccatccacca 120
 ctattggctt taacgctcaa cattgtcttt gcaccactta tgggtttccc tgctgatgag 180
 aaagttatta aggagagtga agagaagctt gcagaagtgc ttgatgtcta tgaagctcag 240
 ctttctaaga acgaatactt ggctgggtgat tttgtgagtc tagctgattt ggctcanctt 300
 cctttcaccg agtatccttg ttggtcctat tgggaaaggc catttgatta aaagatanga 360
 agcatgttag cgcttggtgg gaataa 386

<210> 997
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-H10

<400> 997

acttgcgcca cactctcacc gcaatggccg cctcgacaat ggctctctcc tctcctgctt 60
 tgaccggaaa ggccgttaag ctatccccgg cggcctccga agtatttga accggccgaa 120
 tcaccatgcg caaagcctcc aagcccaccg gtcacccggn aagcccatgg gtacgggttc 180
 cgaaccgaan caaagttact tnggtccaat tctccgggtg naggcctccga anctacctca 240
 cnggaaattt ccccggggat nangggngga aaantgccgg tctatccgcn gatcccaana 300
 ccttcgcaag gaaccgtgaa gcnaaaattt atccaaanca natgggcaan gcccggaccc 360
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 tt 422

<210> 998
 <211> 444

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-H2

 <400> 998

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 taccgatcat ttaagcctcc accaccgcga atctgcggcc atcctaangg tcctccgggt 120
 acttctccga gaatcaagct cagtgatgga agatatcttg cttatagaga atctgggggt 180
 gatagatata atgcnaacta caagatcatt gtcgttcatt gcttcaacag ctccaaagac 240
 actgaatttc ccatccctaa ggatgtaatt gaggagcttg ggatatactt tgtgttctac 300
 gatagagcag gatatggaga aagtgatcca caccatcac gcactgttaa gagtgaagca 360
 tacgacattc aagaactcgc cngataaact caagatnggn caaaagttca agttcctnng 420
 aaancactaa gtgcctactc cggt 444

<210> 999
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-H4

 <400> 999

 gtttgcttta cccttatttg gccattcctg tcttccactt tgtcatcttt tccctttctg 60
 atgggatccg ccgccgaact cacggagccc accaccggga ccgagaagct tcaccaagcc 120
 aatagaagtt gaagaagatg acgaacaaat tggtgatttg gagaggaaaa cattccgtca 180
 tggaaaggga cagatacta gtgtggacag tagtacaatc accaacacca agtcgtcgt 240
 cgtcttctaa cttttccggt gatggtggaa cggaagagac ccccgatttc cacagcaacg 300
 gcgatggaga acataccgga tttagtaaaa tttggangtc ccnganctag aaaactgaaa 360
 atcgtatttc accaagnagc atgacnacgg ggaanaaatt gcatcgtcct ccntcgacgg 420
 gagaacaagg ttctgantca actggt 446

<210> 1000
 <211> 424

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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-026-Q1-B1-A10

<400>      1000

ctgacgatga aaaagacgaa gaagatgagg ctgatgatga agatgaggat gttgactcga   60
tctttaatcg aagacgagtc aacggagggtt tccgcggttan nnnnnnnnnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn natagtggta 180
gttttgagga tttgttctca tggcctgata ttggtgggat tggttcgagt ggagtcgtga 240
agctttggga tcatttagat atcgatggcg atgatcatga gaatgttgtg gcaacgtttc 300
tcaagaacta taactcaacc tcgtcaccgt ttttttgggc ggcgganaaa aaaggtgttg 360
acgcccttaa agtgaaggcg tgtgattcac gcncccgttt tcggatgccg gntttgctcc 420
ccga                                                    424

<210>      1001
<211>      522
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: ARABL1-026-Q1-B1-A11

<400>      1001

aagaatgatt gttgtgccgc ctagaagaga aaaacgtcgc atgcacgcgt acgtaagctc   60
ggaattcggc tcgagagcaa atagaggatt cggatttttg tgtatcttgc attccaagat 120
tggatcatca ttaccattct caaccgcagg tgaaactctt tggatatgga gttgaagctt 180
atgtgctctg tatccaagct caagttgata tgncattagg aagatttgag aatgcgggttg 240
tcaaggcaga gagagctgcg atgcttgatc aaaccaatcc tgaggttgta tcagttttta 300
acaatgtgaa gatggttgtg cgggcacgta ctctgtgtaa tgagctatct agttcggggga 360
gattctcgga agcgttgtga gcttatggag acggtctcaa gcaagatgac tccaattcgg 420
ttttgtactg caacagagca ncgtgttggt ataagctcgg tttgtgggaa aaatctgttg 480
aagattgtaa ccatgcgctc aaaaaccaac ctanttatcat ca                    522

```


<210> 1002
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-A5

<400> 1002

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 ctccacatct tcttccaaaa cacaacaaaa cccccaaatt tccagaaaaa tcagatcatt 120
 ctttcatcaa tctcgtcttc tttaatctta ggtgagaatt catcagctca aaaacgcagc 180
 acccgatcgt tttacgactc aaatcagaga agctgattct tttccaatca ttccaatttc 240
 catttcttcc ttgggaggtt ttacaccaa ttagccgtcg aaaggggtgc ttctttgatc 300
 taatttcgat ggcgggatta gagaaaaacg ctgatttctc agggaagacg acgaaatcgg 360
 gtacaacgac gtcgttcttc aacaaggtcc cntacaantc acgggaagaa cagttggtgg 420
 gattccnggg cccc 434

<210> 1003
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B1

<400> 1003

 aaggctgac ccaacatgac gattaagtat cctacgggga ctctactta tgttgctcct 60
 gtggatgttt attcaaccgc gaggtctatg ggtccaanag ctccagatcaa tctcaactac 120
 aatcttactt ggattttcag cattgactct ggtttcactt accttgtag acttcatttc 180
 tgtgaggttt cttcgaatat cactaagatc aaccaacggg tgtttacaat ctacctcaac 240
 aatcaaactg ctgagcctga anctgatgtg attgcttggga ctanttcaa cgggggttccg 300
 tttcacaagg attaegtggg gaatcctcca nagggaaatg gacancaaga tttgtggctt 360
 gtcctcatc ctaaaccaag ttaacaagcc cggagtanta atgattcccc ctctaaaggn 420
 gtg 423

<210> 1004
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B10

 <400> 1004

 caacaaaatc aaaatcaaga aaacaaaaaa gaaaaactct caagaaacaa tggatgcttc 60
 attgtctcca ttcgatcacc aaaaaggcaa aacanagagc caaagaaaag cttcattacc 120
 tcactaatca ctctccgttc aaacaacatc aaagaagaca catacttcgt ctcagaactc 180
 aaacccacgg agcaaaaatc acttcangaa ctcaaagaaa agctctcagc ntcacccctc 240
 aaagcttctt caatgtgggg agtctcactc ctcggtggag acgacaaagc tgacgtaatc 300
 ctctcaagt tcctcagagc aagagatttc aaagtagcag actctttgag aatgcttgag 360
 aagtgtttgg agtggagaga agagttcaaa gcagagaaat tgacagaaga agatntggg 419

<210> 1005
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-H4

 <400> 1005

 gaaanccatt caaaaaaaaa ncnttctctc ttgagaacct ccaacttcct cctcctctc 60
 cgcaaaattt acgaangnt tcctcctaatt cctggctcct gcttgcttg gctgggggac 120
 aagtgtgca tatcaagagg gacctctctc taatggagat gatgttgca ttgtcgcggc 180
 acataggact ccactatgca agtccaaacg tggcaatttc aaggatacat atcccgatga 240
 ttgtctgca cctgttttga gggcattgat agaagaagac gaatctaaac ccaagtgaag 300
 taagtgacat tggtgtgggt actgttttgg nacctggatt tcaaanagcc aattaatgca 360
 aggatgggtg cnttccaagg cnggtttccc tnaaacntg ggtggtcaaa actg 414

<210> 1006
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B11

<400> 1006

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aaaaaaaaa aaaaaacaca ttgtcatatc tctggtccca tatgtgatat gtcaccgtcc 60
ttctccatcg ccaccaccgt ctcaccggct tctctagcng ggactctggc ctcgaactca 120
aagaatgttt tgtgtagttt acattcaaag aacaatgata ttaccaagac aaataggaat 180
ctgaagttta gagcttggtc tgtttctgga gggataaca acaatacatc tgtggacaat 240
gtaccttttc ctccgtgatt acgtcgagct cattaatcan gccaaagaan cagtggaaat 300
ggctttgaag gatganaaac agttaatggg aaattgagtt cccaacatct gggccn 356

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<210> 1007
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-B7

<400> 1007

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aaatggttga gagattcggg ttcagcaaaa agattggaca agttgcagtt ggtggagcag 60
gaggaaaccc tttcttgggt caaagtatgt catngcagaa ggattactcg atggcaacag 120
cggatgtggt tgatgcggaa gtgagagagc tcgttgagaa ngcgtacgtg agagcgaaag 180
anatcataac aacacaaatt gatatcctac acaagcttgc acagctcctt attgagaaag 240
aaactgtgga tggagaagag ttcattgagtc ttttcattga cggacaagcc gagttatatg 300
tttcttaaaa tcaactaatt tggcttgnat aataccaatt agcntcgatn taaacatact 360
ggtangttan tatacattga catgttcaag agacntttcc ttttctctaa aaaanaaaaa 420

```

<210> 1008
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-C10

<400> 1008

gggntggagc acgctttttc agccgccgga gagacaaaca tgcctgcctg caggctcgact 60
 ctagaggatc ccctcgggga attccaattc cacattttca agaaataagg aggcaaaaat 120
 gttcatatat gaattggaat tatttgtttt cttattaggc ctatcctgaa gccaaaggaa 180
 atgagatcgg aattcctcgg ggaattccaa ttccacattt tcaagaaata aggaggcaaa 240
 aatgttcata tatgaattgg aattatttgt tttcttatta ggcctatcct gaagccaaag 300
 gaaatgagat cggaattcct cggggaattc caattccaca ttttcaagaa ataaggaggc 360
 aaaaatgttc atatatgaat tggaattatt tgttttctta ttaggcctat cctgaagcca 420
 aaggaaatga gatnggaatt cctccggggg taccganctc gaattcccta aaanngagtc 480
 gtantaaatt cgtaaactg tcanaacct 509

<210> 1009
 <211> 155
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-C12

<400> 1009
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 gagcggtcct ttaccggtgt catgtaatga tgtaacgtcg ttatttttaa gaaaatttgg 120
 caccttttgt nnnnnnnnnn nnnnnnnnnn nnnnn 155

<210> 1010
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-025-Q1-B1-C8

<400> 1010
 tcttatctct ctcaaactct ctagagagag aagggttag tttttcttcc gccatccggt 60
 gaatccggca aagccatctg gntgttaaan cagcttcagt ccaacagcct ccggctatta 120
 tagaggaggt tggttggctt ttactggcg gtgttggtc cctcagcaac gtcggccagt 180
 tttctctccg gcaacgatgg ctccgtagca ccgtttggct ggctcctctt gtatgcggca 240

cagcaacaag aagctcgtct gcgaaaatcc taatgtgatt cctctcctta tcgatgcatt 360
gagggcgtgga acagtcgcca cgagaagcaa tgcanctgca gcgatnttca tccgtcagct 420
ctcgaatcaa 430

<210> 1013
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-D3

<400> 1013

agttctataa cctcaggtgt cgccagagaa cggggtatgc cgacgaaatg tgtgtgtggc 60
ttagagggtca cgatgttcgt ctcaaaaacg cangagaacc catgacgacc gttcttccgg 120
tgtattagca aaaggaatgc taattcgtgg tcaacaaaaa gggatgatca tgtgttcaaa 180
tgggtcgaag atgctgtggt tgaagaagta gaagatgctt tgccaagatt agccatcatt 240
gcaaatgaga taagcaaagc taaatctgag gcaaatgagt taaaggctat gattcaagaa 300
atgaagagaa gaagcaatgg gtcaacgaca tgaagacccc gaaagaaact ggggtgtggct 360
ttgaaaatgt gtattgtggt ggatgtttgg tatcaccatt gtgaatttcc tcntg 415

<210> 1014
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-E10

<400> 1014

tttcagcttc tggttcattt cgtaatgaca gtactccaaa agcagcacag agaaattctg 60
aagattctgg tgttacgggt gatggatcnc catcngcaaa ggaaatgacg atcgttgttc 120
ctgattcctc gaatatctat tcggcttttg gagaggctga gtcaaagtct gtggagacac 180
tctcaccgtt tcagcagaaa gatgggtcaaa aggactcct tgttgatcgt ggtgttggct 240
cccctaggct agtgaagtct cttagtgcaa ggctcttttt tgattgatac caagcaaadc 300
aagaattcaa tgccagccgc tgcaggagct gttgccgcag caacggtagc tgatcaaadc 360

cttggaccga aagaagatag acatctagca antgtcctgg ttggcttgcc tgctcn 416

<210> 1015
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-E11

<400> 1015

gagaaaaaag attcttcaaa agagcaaaaa aatcaatgga gagagcaaag tcgaggaagc 60
ctcatatcat gatgatacca taccacttc aaggtcacgt tatccctttt gtccacttag 120
ccatcaaact tgctttctcat ggctnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccggtgacat cttctccgcc gctcgcagct 240
ccggccagca cgacatacgt tacaccaccg tgagcgacgg cttcccttta gactttgacc 300
ggtcactgaa ccatgaccag tttttcgaag gcattctcca cgtcttctct gccacgtgg 360
atgatctcat cgccaaactc tcccgcctg atgatcctcc ccgtgacttg cttgatcgcc 420
gacacgtttt aagtttg 437

<210> 1016
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-F2

<400> 1016

aagaacaaag aaaccatggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn natggatcca tgaacgangg aggaggacat 120
caccacatga agatgatgat gcacatgacc ttcttttggg gcaagaacac ggaggttctc 180
ttctccggtt ggcccgaac aagctccggc atgtatgctc tttgtcttat ctttgtcttc 240
tttctcgccg tcttcaccga atggcttgct cattcctctc tctccgtgg ctccaccgga 300
gattcggcta atcgtgccgc cgggttaatc caaacgccg ttgtataccc tccgtatccg 360
gctcgcttat ctagtcatgc tcgccgtcat gtcgtttaac gccggggtgt ttctcgtcgn 420

tctggccggg tcatgccgt tng

443

<210> 1017
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-025-Q1-B1-F3

<400> 1017

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gtgantcgaa aggtcagtaa tcagtataaa gctaccattg gagctgattt cttgaccaaa 120
gaggtcctaaa ttgatgacag aatcttcact ttgcagattt gggatactgc agggcaagag 180
aggttccaaa gtttgggtgt tgctttctac cgaggagcgg actgttgtgt tcttgtgaat 240
gatgtcaatg ttatgaaatc ctttgaaaat cttacaact ggaggggaag agttcctgat 300
ccaggctaag tccttcaaat tcctgaaaac ttccccttch gntgtcttgg gggaacaaga 360
cagatnttga cggtggaaaa aatcaattgg ttactgagaa gaaaa 405

<210> 1018
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-D8

<400> 1018

tgcttgagat attttgtttt tacctccgag aaacggattt agattcgtaa tcgtgagttt 60
tttggtgtaa tggagatcgc tactgtcgta aaggctaatt gcggttga agcggatcga 120
cgacggcttc gccgattgag atgctctgtt aaggattacg attggggcaa aattggatcg 180
gattcactcg ttacaggggt ttatgcggcg aattcagatt acgagatcga tcctacacga 240
ccttacgccg agctatggat ggggactcac gagtctggtc cgagttactt ggaggatgct 300
gatggatcca atggcgtgac ccttaaattc tggathaccg aaaaccctaa atctctggaa 360
ataaggtttt gggaanaaat ggggttgcca ttccccctt 400

<210> 1019

<211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D9

 <400> 1019

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 nnnnnnnntt ggtgatgtca gcttcccgat ggacggtgat ggatctacca tcgtacctgt 120
 cgtcatcgtg ggcattccgg tggccggagg tgaatctttc atccctgagc tctggttgga 180
 acatgagatt gttgtccttg tcgggtgatc tctccatagt tgatgatctt ttgtggagtt 240
 ttgtctcaat cattgaatct ttagctatca ctgctacggt ctggttgctt ttcttgtttt 300
 gtggttgtag cctctaattc ccttttttca ttatttaatt ttccgaattt taatgccaac 360
 tgaaatgtgt gtaaaagaaa aataatcaat taaattcaag acttttttan caa 413

<210> 1020
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-E1

 <400> 1020

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 ggaattcggc tcgaggttcg gatcgcggcg acgtgggtgg ttcgccgcc gcgacgtcgc 120
 gagaagtcca ctaaacctta tcatttagag aatggagaag acaaaatgca attcaacttg 180
 aggagaagga gaagagagaa aaggaattgt tgaagcaaat tattgaggaa gctgatcaat 240
 acaaagaaga gtttcataag aagattgaag taacttgtga aaacaacaaa gcagctaaca 300
 gagagaagga aaagctgtat ctggagaacc aagagaagtt ctacgcggaa tccagcaaag 360
 aattactgga aggcaatagc agagctagtt cctaaagaag ttccaacaat agagaaaag 420
 agaagaaaaa aagagcaaca agattctaaa gaagccaaca atctcctgtg aatcaaggnc 480
 caaaagcccc ggtaagccaa accgattcta acaangaatt gagac 525

<210> 1021

<211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-E11

<400> 1021

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tcttcacttt tactctcaaa gctttcatct ttcatccaac tacttaagct ccaagtatgg 120
caggatccgc accggaagga acacaatttg atacgcgtca gtttgaccag aggctgaatg 180
aagttctcga tggacaggat gagttcttca cctcatatga tgagggtccat gagagctttg 240
atgccatggg tttgcaagag aatcttctta ggggtatcta tgcttacggt ttcgaaaagc 300
cttctgctat tcaagcaaag aggaattgta cccttttgca anggtcctga tgtgattcaa 360
caagcacagt ctgggtactg gaaaaaccgc cactttctgc tcctggtgtc ntgcaa 416
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<210> 1022
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-D7

<400> 1022

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gatctgggaa tccaccggcg tcgaaatcag cgattgaatc tttacctaga gtcgaaatct 120
cagattgtca tacgaaagca gaagctaatt gcgccgtgtg tacggagggt ttcgaagccg 180
gaatcgaagg tcgtgagatg ccgtgtaaac acatatttca cggtgattgt attgttccat 240
ggctttcgat tcggaattcg tgtcctgtgt gtagatttga gttaccttca gatncaatcc 300
aacggagtaa tgaagaanaa catgccgttg ggatgaccaa tttggagaat acctggtggg 360
tggtttcccc tggttggaag tttaaaccgc ggaagttaag aagaaaggtg anaaggatat 420
tgccggtgg 429
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<210> 1023
 <211> 441
 <212> DNA

<211> 385
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-F10

<400> 1025

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 aaatattaaa actcaacttt ggtttatgga ctaaattttt tttgttcgat agttggtata 120
 taatgaactc agcatacagc attcctagtt ctttgtacat tttttatcct ataaaccata 180
 gtcttttttg tggtaacaca tgtatagagt aaggaaattg tctagggcga cggagaaatt 240
 gagcaagaca atgttgaatg gtgtgggagt ggtgaagtgg ctcggtgatg ggtccagttg 300
 taaagtcgaa gccagggaaa gcttttttct caatggttcc aggggaagtt cnantggctt 360
 cacttgaagc tcttaataaa ntact 385

<210> 1026
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-F3

<400> 1026

agtttttttt tttcatgaaa atccactcaa atttctaaaa tatgaaatga gtccaaacgt 60
 atagtatata atgatacaac atgcaaaatc acttgaaagg aaaatgggaa aacaaaaaca 120
 cgaaaagcac atcaaagtag gaaaagtttc ggatttaggt ggtaagctcc atgatggcag 180
 agactatata tccattagcg agcttgagcg ccttaactgc ccttggctta gacactcctg 240
 cttgggtcat cacaagctcg atgtcctttg gctctactcc ctctctgtct acctcttcat 300
 catcatcatc ttgaacagca agctgcagtt gcaagcactc gatgtttctc cctgtgaaat 360
 cacgttgccct gaaggttggg aacccttgaa ctggccctgc gggnttgact cctgcaactg 420
 gcaaactcna aatcctccaa accttgggcc tcaach 456

<210> 1027
 <211> 428
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-024-Q1-B1-F6

<400> 1027

ttgtgcgctt gggagtcctt gattattaaa taaaccaagg attttaccat gactgcaatt 60

ttagagagac gcgaaagcga aagcctatgg ggtcgcttct gtaactggat aactagcact 120

gaaaaccgtc ttacattgg atggtttggg gttttgatga tccctacctt attgaccgca 180

acttctgttt ttattatcgc attcattgct gctcctccag tagatattga tgggtantcgt 240

gaacctgttt ctggatctct tctttacgga aacantatta tttccggtgc cattactcct 300

acttctgcag ctattggatt gcatttttac ccaaactctg ggaaacctgc atccgttgat 360

gaatggntat acaacggcgg tccttaagaa ctaantggc tacactttta ctggggtaac 420

ctgttaca 428

<210> 1028

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-024-Q1-B1-F8

<400> 1028

gcatgggaat gactccactg tgcagtatta tgtgccttac ttatccggta ttcagttgta 60

tgttgatccg ttgaagaagc ctagaaatcc agttggagat aatgaaggaa gtagtgaagg 120

aagcagcaac agtaggactt tgccggtgga cttgagtgtc ggtgaactga atagaattag 180

tctgaaagat caatctatta ctggctcgtt gtctagtgga gaagctgaga tcaacaatcc 240

gcagggacga ttactattcg agtacttga gtatgaacct ccatttggca aggaacctcc 300

ggctaacaaa atctcggatn tcgcgtcaag aattcctgan ctaatgacat acccgagct 360

gtgatntcn tccctcaagt tgggtcccn gtgtca 396

<210> 1029

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-F9

<400> 1029

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tgggtttgat ttggaggaca acgcattgct ggatacttgc aacgatctga cttttggtgg 60
ctcatctact tctgatggcc agaagccagc ttctagtggc aagggctgtg aagaattacg 120
ggtatcgggt gacagtcagt cttctcggaa aaataaaaat gtagatcaaa gctgctcaac 180
ctctaaacag caatccaaag attttcctgc cgcaggcagc aatatcagtg agagccagct 240
agatgagcaa agaagaaaga ataacgaaga ggtttcacac aataacagat nagctgagga 300
atcaacttct ggtcatggag atatcaaaga aggtgcaaaa tcctggtggt ggtgcatcct 360
cngtgt 366
  
```

<210> 1030

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-G10

<400> 1030

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agctaaacac taaattatca atccgctctc ttctcaaaaa aaaaaatcga ngctaaaatn 60
nnantctctc aangntcccc aaaaaaaccc tagttctgaa tggaatcggc ggattccgga 120
cgatccgatc cggtaaaagg agacgacccg ggtccatctt tcgtctcttc accaccagct 180
acacctagca ggtatgagtc acagaagcga cgcgactgga acacgttctt gcagtacctc 240
aagaaccaca agccgcctct cgcgttgtca cgggtgtancg gagcgcgatgt gatcgagttt 300
ctcaagtacc tcgaccagtt cggtaagacc aaagtccacg tggcggcttg tccttacttc 360
ggccatcaac aacctcgcgc tccttgctca tgccctctca agcaancttg ggggattttct 420
catgctt 427
  
```

<210> 1031

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-024-Q1-B1-G3

<400> 1031
aagacataat tttctctgtt ttcttagctc tctcctctca aattcttcca ttgctctctg 60
ttttggcaaa tcgtgaactg ccacgtcttt aaggcatcag tgaagcaaag atggactttg 120
acgaggagct aaatctttgt attacgaaag gtaaaaatgt tgatcattct tttggaggag 180
aagcttcttc cacgtcccca agatctatga agaaaatgaa gagtcctagt cgtcctaaac 240
cctattttcca atcctcttct tctccttatt cgtagaggc tttccctttt tctctcgatc 300
caacacttca gaatcagcaa caacaactcg gatnatacgt tccggtactt gagcaacgac 360
aaagaccgca caatgcaang gcaagaanca aatggatttc ccttttagtcc ccaaaaaaca 420
acaacagcaa gcaagcaan 439

<210> 1032
<211> 109
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-H12

<400> 1032
ntgaattttg tctagcctgn tcgtannnta acnanaattc ncgggncna ccatgcgctc 60
cggaattcgg ctcganctcg agccgaatcg gctcgagcta gttctagat 109

<210> 1033
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-024-Q1-B1-H3

<400> 1033
ggaatggagt gagagttaa ggaaagagta tcttcttgtc atcgaaggct tcttctctct 60
tcctctccct ctcttctcca ccacttaccg caaagccatc caagcgcnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnaagat atgcttgctg cggttgctgc ggcggatgat ggattttccg atgaagagat 240
tgttgacttc ttggtggctt tacttgctgc cggttatgaa acaacctcca cgatcatgac 300

tctcgccgtc aaattttctca accgagactc ctttagctct tgctcaactc aaggaagagc 360
 attaaaaaga ttaaggcaat gaaagagtgg atcctaanaat ccttgaatng gagtgaatta 420
 caanttcaat ggccantcaa acaaatg 447

<210> 1034
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-F1 ,

<400> 1034

gagatgattt caaggttggg gactgggtca gagtgaaggc gtcagtgtct tccccgaaat 60
 atggatggga agacattact cgaaatagta ttggcggttat gcacagctta gatgaagatg 120
 gtgatgtggg tatagctttc tgtttcagga gtaaaccctt ttcagtgtct gtgacagatg 180
 ttgaaaaggt tacgcccttt catgtgggac aagagattca tatgacacca tcaatcaccc 240
 aaccacgact tggatgggtca aatgagactc cagcaactat tgggtaaagt aattgagaat 300
 cgacatggac gggactctga atgcacaagt gactggtaaa caaacgttgt ggaggggtctc 360
 aactgggaga tgcagaactg cnttcaaggt ttgaagttgg tgaattgggt tcgctcaaaa 420
 anc 423

<210> 1035
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-F3

<400> 1035

ctcgagaatg gcatcaattc tcaggtcagt ggcaacgact tcagccgctcg tagccgccgc 60
 ctctgcgatt cccatcgca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgatcg tctccacgtc tcttgggact 180
 ttcacgaagc ttcgttagct ctccgatggc gactgctctc acttctgatc gtaatctcca 240
 tcaggaggat cgagccatgc ctcaagcttc ctactgaagt ttaagggggg atatgacaag 300

tnanggggttg tggttaaatgc tgtgaagaac aaattagaaa ccantggaag gtatgagaaa 360
 ttggaggggtg gatttgtcca aatcaaagtt gtganggata acttgggatn ntccccnngt 420
 taaaggcaat gac 433

<210> 1036
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-E9
 <400> 1036

gncctatagc agagcaatga cgacgcatnc acgcgntacg ttaaaccctcg gaattccggc 60
 tccgaaggaa atttccccga agaaaaatgt cctgcctgtt gganggaaaa ctggcgggtgt 120
 tgggattctg ggctgcaagt tgcggcaaac ggtttgtggg agggttgcca aaatgtnncc 180
 ctggacttgg ggattctccg gcgagacaac cacaaactga nacttttgtc cntggggcgt 240
 tgcaccggcg atgaaataat cagtacgagg cttcagggga gagtaacaac gctgagaacg 300
 atgcttgcaa gtgtggatct gactgcaagt gtgatccttg cacctgcaag tgaagaagcc 360
 tttttaaata ancagagata atcgagtctc cttaattaat taagttattc aataaagtaa 420
 accatatata aggatgggtgt ttttaggttt ggtttaagtg taataatggc ttcagcttaa 480
 cctttaagcc cgatnaattg tcctttgtgg 510

<210> 1037
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-G10
 <400> 1037

ctcgagcaga gtcgccggga gatgggtcca ttgggagaag cacaggactt gctttaccca 60
 ngtgggagct tcgaccattt gggcctcgct actgaccccg aggctttcnc gggagttgaa 120
 ggtgaaggag ctcaagaacg gaaggttggc tatgttctct atgtttggat tcttcgttca 180
 ggccattgtc accggaaagg gaccgttggg gaacctcgcg gaccacttgg ctgatccant 240

gtgggcaatg tgaaacccaa cgcactttt tggctctgcc gtcngtggtc aaaatcaaag 360
 tcacaccgg aagttttcta ctggatcttc aacntctcgg gtccaanggc ggcattggtt 420
 ccctccna 429

<210> 1040
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-G4
 <400> 1040

ctcgagctac acaagtcttg aaattttctc atattttcta ttactatat aaacttttaa 60
 tcaaatacag attaactatg gctgaggagt acaagaacaa cgttcccgag cagagacac 120
 caacggtcgc aacagangaa tcaccagcga cgacaacaga gggtacggat cgtggattgt 180
 ttgatttctt ggggaagaag gaagaggaag tgaaacctca agagacaacg acgctcgagt 240
 ctgagttcga tcataaggct cagatntctg aancgggagt taactgccg agcacgaagg 300
 aaattgaagg agaacaagat tactccgcta aaaggagctt caaagaaaag accgaggaag 360
 atgaggagaa caagccta atgtatccaaa agcttcaccc gattcaacaa gtcctcctt 420
 cctccttcga gcgat 435

<210> 1041
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-G7
 <400> 1041

tcgagggaag tttagatcga tggatattcg aaaacgatga gaagattact acccttagtt 60
 gcgaagagag aattcgtatt ttgaaagggt tagcttcagg aatattgtat ttgcatgaag 120
 gatgggagtc taaggtttta catagagata ttaaagctag taatgtttta cttgaccgag 180
 atatgatacc gaggccttagt gattttgggt tagctcgggt tcattggacac gagcaaccgg 240
 ttaggaccac gaggggtggtt ggtacanctg gctatttggc tcctgaagtg gtttaagacgg 300

ccgtattcct ccggtttggt gggcccccaa attcgaagat acacgttggc taaaaaaaaan 360
 gaccaagaaa tggmataatt aaggntaaaa cgtcngtttt ccccaaataa aatcncctaa 420
 gcaatcaact tataagttcg tcctaatagcc gaagctataa tttgaacg 468

<210> 1046
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-H7
 <400> 1046

cgagcaaatc cgccaatgga agcggctctg agcatcttca agctctcggt ccttctcacc 60
 cttctctccg gcggttcaga ccttatcgac tcgttgccgc cgaattgtaa ccgagccgag 120
 tgtccgagtt atgaggttgt ccacgccggg aatggctacg agattcatcg ctacaacacc 180
 accgtttggg tttctaccga accaattcaa gatattcttc tcaacgaagc ttctggcaac 240
 gattgtctga ttacatgaac gggaacaacg attatcacca gaggatagag atagcacttc 300
 cttatatcac ccangtctct canaacttga gcaccttcac agtctctttc ttcgttccca 360
 aggcatcaca actgatncaa ctccgggaaa caacctccac gtncagagat gggaat 416

<210> 1047
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-H8
 <400> 1047

ctcgagtgc accgcagttt gatctggata ttggtgctta taacaactac gggaaacttt 60
 acctcagccc tcttttcgca ctctctatcg gatccgggtt tgcgagattc actgcaacac 120
 taactcatgt ggcattgttc ancggcaggg acatatggaa gcagacttgg tctgcagtga 180
 acaccacgaa gctggacatc catggaaaat tgatgcaaag ctacaaaaaa gtgcctgagt 240
 ggtgggttta tatantgctg gcaggaagtg taaccatgtc tctcctaata tctttgtgtg 300
 naaaggagtc agtgcagctt ccaagggtggg gaatgctctt tgcttttgca ttggccttca 360

ttgtcacact ccctatcggt gtcattcaag caactacaaa tcagcaanca agatatgata 420

<210> 1048

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-08-Q1-B1-A4

<400> 1048

cgagatcaaa aacgatttta caagaaaaaa atatctgaaa aatgtcagag accaacaaga 60

atgccttcca agccgggtcag gccgctggca aagctgagga gaagagcaat gttctgctgg 120

acaaggccaa ggatgctgct gctgcagctg gagcttccgc gcaacaggcg ggaaagagta 180

tatcggatgc ggcagtggga ggtgttaact tcgtgaagga caagaccggc ctgaacaagt 240

agcgatccga gtcaactttg ggaagttata atttcccttt tctaattaat ttgttgggaa 300

tttcaaataa aatttgggaa tcataattga tcccgtactc ancgtacttg ttgttgtttt 360

taatgttgta atgttttaat gtttctctcc cctttanatg tactacgttt ggaac 415

<210> 1049

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-07-Q1-B1-C3

<400> 1049

aggtgtctac tgagaaagca ccagctgctt tgggacctta ctctcaggcc attaaagcca 60

ataatctggt ttttctttca ggtgttcttg gacttatacc tgagactgga aagtttgttt 120

cggagagcgt cgaagatcag actgagcagg tactcaaaaa catgggggag atattgaaag 180

ctagtgggtgc tgattattcc tcggtggtga agacaacaat catgttggct gatttggctg 240

acttcaagac agtgaacgaa gatatatgcc aaatacttcc cagctccttc tccaacacga 300

tcgacgtatc aagttgcaac tttgcctcta aacgccaaag atngaagatt gaatgtattg 360

caacactcca gaacactcaa aatcaatctc ctacnaaggg tantttgggc ccggaaaaat 420

t 421

<210> 1050
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-C4

<400> 1050

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gaggtcgcgt cagtgggttaa ggagtcgttc gggtcctgnt ggtggatgtg tagtggcggc 60
gtgtgcgggcg gttggatatg tgtatgtgct aaccagtcac gcggtggagc tttcggttttg 120
gcgatttgat gcgcgtcgtc gtggtggaaa cagcgggttt ggagaatggc agaggctgaa 180
aagtcgcgcg ttaccggcac aggtgcggtt agatggaacg gtgaggttta actgcgtcgg 240
agtggaagat aaagtggcgg tggttcangt ggtgggatgc attgacnatt tgcttcggcg 300
gaattggaag ggtgagaaaa ggattanaga aaanccttgt gttgccgtat gataccaang 360
gaaggaaaat ttganganaa ccgcgggatt tacctgaaaa tgaattaaac ccnccgcctg 420
ttgctt 426
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<210> 1051
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-C5

<400> 1051

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tcgagtctct ctccatttgg cgatagaaga agtcatgtac caatcatcat cctccacgtc 60
atcatcatcg cagagatcat cgcttcccg cggcggagga ctgatccgtt acggntcagc 120
tccgggateg tttctaaact ctgtggttga cgaagtcac ggaggaggct catcaaacgc 180
tcgtgacttc accggctatc anccgtcgtc ggataacttc atcggtaacn ttttcaccgg 240
agctgctgac tcattctcgc tgagatccga ttcgacgact tgtggagtna acaactcatc 300
cgacggacaa gaaacagtag gcaatancaa taataataat agtantaaan atatccntcc 360
tcgaaagatt ctaanggtgg gattcaacna gatttcgcaa ca 402
```


<210> 1052
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-C2

 <400> 1052

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 gatcatctct ttctccgggt aagggtctcag gacttctcag attcgaatta taaatgggaa 120
 attgttgtgc gagccccgggt tcggagactg ggagtaagaa ggggaaacca aagatcaaaa 180
 gtaacccggt ttatagttaa gcatacacta cgaatggatc tggaactggg ttcaanctct 240
 ctgttttgaa agatccaaca ggacatgata tatctcttaa gtatgatctg gggcgtgagg 300
 ttgggtcccg anaatttggg attacttach tgtgcactgg atatcaaaac gggcgaaaaa 360
 tatgcgtgca agtccaatac aaagaagnag cntaanaaca acctgttga taanaa 416

<210> 1053
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D1

 <400> 1053

 ctcgaggttc tagatcgcg ggcggccgcc tttttgtatt tnnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnn 75

<210> 1054
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D10

 <400> 1054

 ctcgagtcgt taccatnaga angagagctc agagatttag ttagcttaat ttttcttttc 60
 gttttgaaat taaggaagtg attgttatca ccggaggaga gagagaaaat gttgggaatt 120

ttcagtggag ctatagtatc gccgccgga gagttagtgg ctgccggaag cagaactccg 180
 tcgccgaaaa caaccggatc aacttttagta aaccgggttcg tcgagaaaaa tccatccgct 240
 gtttctgtac aagtcggcga ctatgttcan cttgcttaca agccatcaca acganagtcc 300
 tctccggcct aaatnatttg gagctaaggg atgaantatt ctgcttggtc caanggtcac 360
 ntgacaacct aagaagcctt gaaacaagca ntacggggct tgcaaaaaac gcaaacaagg 420
 ttctccttgg tc 432

<210> 1055
 <211> 343
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D12

<400> 1055
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 gtgggacagg tgacttcttc atggctcgtg ggatcgctac ctctgtgact gatttatttc 120
 aaggggggcta agtatttccg agttaagatg gatattaagc tctatgaatg ttactaagta 180
 gctaagaatg tgtgttttgt ttgaaaattt tatgttgaca cagagaaatg tgtttacaat 240
 aattaagnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnncaagg gaaaanannt aaaaaaaaaa ggg 343

<210> 1056
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D2

<400> 1056
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 ttagagagta tcaaatcaat ctccggcgga tggggcgcg cggcgcgttc ctgtgacgct 120
 tgtaaatcan ttaccgccgc cgtgttctgt cgagttgact cagctttctt atgcatagca 180
 tgtgacacaa gaatccattc cttcactcgc cagagcgcg tgtggggttg tgaaagtttg 240

tgaacaanct cncnccgccg tcacttgcaa agccgacgcc gncgctcctt tgctcanttt 300
 tgatgcccga tatttactct gctaattctc tcgccaaccc gtcactnaaa gtgtccccgt 360
 ccaaactttc ctcnagtcaa ccgaaaacga ccgtcgccaa aatctcanct tcctcgactt 420
 ttgggaaccc 430

<210> 1057
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D4
 <400> 1057

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 ctgattggga agtactttga ggagataagc caggacacgg ggaagtatgt gtttggtgtg 120
 gaagatacgt tgaacgcttt ggagtctggt gctattgaga cactgattgt atgggaaaaat 180
 ctcgatatca acagatatgt gatgaacaac agtgcgactg gtgaaactgt gatcaaacac 240
 ctgaacaang gaacaagaaa gccaaactg aagaaactca aaagtaaccc gacagttgac 300
 cttggctttg gaccctngaa ggaaaaagct gtcnttaccg gaattggctt gccaatgagt 360
 acaagcgttt tgggtgtgcn ttaaaagttt gtgaccaaca agtcacaaga aaggtcncaa 420
 ttttgcaaaa gggttg 436

<210> 1058
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D5
 <400> 1058

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 nnnnnnnnnn nnnnnnnnnn aatggcgga ccgattccct catcgtctct gtcaccgaaa 120
 tctctacaat ctctaatacc tatggaacct tctccgtgca tcttctactc ctttaccttc 180
 atcatcatct caacgaacaa caactcatga cagctccgat ttccaattct gttaattccg 240

ctgcgtctcc ggcgatgact gtaactacca ccgaaggtat tgtattcaag aacaattcgc 300
 aaacctaataa tctcctctcc caaannctan ttcttctaan ccaacaatcn ggngctcaga 360
 ttccgttcgc nttctctct ctctcaacct tcttcaaccg gtaagatnaa gcaaa 415

<210> 1059
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D6
 <400> 1059

tcgagaacct tctcttcttc ttcttcttgc gagttgcacc gaaacactca acaaaaccaa 60
 atcatccaaa ttgggtataa caaaagaaac taacaagaag aagatcgaat tcaagaagaa 120
 nagatggaga atggagcaac gacgacgagc acaattacca tcaaagggat tctgagtttg 180
 ctaatggaaa gcatcacaac agangaagat gaaggaggaa agagagtaat atctctggga 240
 atgggagacc canactcta ctctgttttt cgtacaacac aagtctctct tcaagctggt 300
 tcngattcnc ttctctccaa caagttccan ggttacnctc cnaccgntng gtcttccna 360
 agtcaaagg gcaatancag ggttnctaac gcctgatttt caancaa 407

<210> 1060
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: ARABL1-07-Q1-B1-D9
 <400> 1060

ctccgaaggt tctaagattc gccggggcgg gccgcccga ctaanttgag cctccgtccg 60
 aaccgngga aattaatttc cgggaccggg ttacctggcc agggcgggta ccaagccttt 120
 cccctaataa ggtggagttc gtattaagna agcttgggag gtaatcatgg gtcaatagct 180
 ggtttcctgt gtgaaattgt tatccgtca caaattccac acaaacatac gagccgggaa 240
 gcataaagtg taaagcctgg ggggtgcctaa atgaagttga ggctaaactc acattaaatt 300
 gcgttgccgc tcaactgccg cctttccaag tcggggaaaa cctgtcgtgc caagctgcat 360

taatgaaatc cggccaaacg cgcgcggggg aaaaggcggg ttgccgtaat tgggggcgcc 420
aagggtgggt ttttcnttt caaccaagtg aagacngggc aaacaagctg aattgccctt 480
caaccgctg gcccttgaa na 502

<210> 1061
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-E12
<400> 1061

ctcgagcttc tctattcgtc gtcgacctat tttctcagc catggccgtc gggaaaaaca 60
agagaatctc taagggtagg aaggaggaa. agaagaaggc tggtgatcct ttctccaaga 120
aagattggtg tgatgttaag gctccttcaa tcttactca caggaatgtt ggaaagacac 180
ttgtttccag aactcagggt accaaaattg cctcagaagg cttgaaacac agagtttttg 240
aggtttctct tgctgatctt caaggtgatg aggataacgc ttacaggaag atccgtctca 300
gagctgaaga tgtccagggc aaggaaactt ctgtgccaat tccggggcat ggacttcaac 360
aaccgataaa ccttaagtca aatgggtaaa aaattgggaa actttgatna aggcccatgt 420

<210> 1062
<211> 109
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-E2
<400> 1062

ctcgaggtaa aatttgcaag actttgtatt ttttccatta atcaaataac tcgtttttct 60
ctcaaaaaan nnagaaacag aanaaaaaag atnchnaatg naaaaaaaaa 109

<210> 1063
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: ARABL1-07-Q1-B1-E3

<400> 1063

ctcgagcaaa aaaaaatctc tgaaacaatg gcgtgttgct tagcttcgtg ctgtgcgtcg 60
 gcgacttgtg gattatgctc gtcggttagca tcggggatat cgaggaaatc agcgaggatc 120
 gcttattgtg gtcncttcgg tgccctctctt gtcgtctcct ggattcttcg tgagacnggt 180
 gtcgcgtcc tcgagaaact cccttggatc aatacttctg attcanatac canagaatgg 240
 tatcancann annctgttcn tcgtgtgagc nttgggaatt ncctctctt tgcaatntan 300
 gctttgatca tgattggtgt caangaccaa aaatgacaag cgtgactccn tggnacatg 360
 gtgggtgggg tttgaaaaat gattgtccgg gttttgcctt gttgtcctca ag 412

<210> 1064

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-07-Q1-B1-E5

<400> 1064

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 caatccttca tatgatgtcg gacggaggag caccgtcgag atacgtgaag ttgacnaagg 120
 aanaagcncc ggtcgatgag attcatcccg gtgaactcaa tcagcccatt gaagtttctc 180
 atctanctgt tcacaaatgc aatgagtgtg gccaaccttt gcctgagaat tttgaagctc 240
 ctgctgatga gccctggact accggaatat tcggctgcac tgaggacatg aatagttttt 300
 ggctgggact tttctgcca agtgttctat ttggacgtgt ctatgaaact ctgagtgatg 360
 aggaaacctc gtggaaaaaa gcatgtantt gccca 394

<210> 1065

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: ARABL1-07-Q1-B1-E7

<400> 1065

tcgaggcaga tttanagcgt gtgagggaga taggaagaga gaaagtgagc gagagacgat 60

661130 "46366666"

cacggccgcg ctgaaatcca cgaccacggc cgcgctgaaa tccacgacca cggccgctct 120
gaagaagaag actctctccg tctctctcct tctctctctc cgtctaagag acaaggcatc 180
cccagacgcc atgatctctc tcactccctc gttgtttctg aacaagacgg ttgttcctgg 240
atgttccaca cgcctctctc tgcgccagcc tagaactata attactctc ctgcttctt 300
gagagtcttt tctctctcg gatctaacca ggattccacc ggcagcgttt tgattgagac 360
cactgccact tcctctctc ctctcgaaac tccgccgccc acaattgttc ccaaatt 416

<210> 1066
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G1

<400> 1066

gnattcggct cgagaacaga cagcaaataga agaacagttg acttcaaaaa cacacttctc 60
atcatgacat caaacgtcgg aagcagcgtg attgagaaag gaggangacg tatcggattc 120
gacttagact acgacgagaa agacagcagt tacaacagaa tcaagagcct tgtaacagag 180
gagctgaaac aatacttcag acccgagttc ctaaacaggc tagacgagat gattgtgttc 240
agacagctaa canagctgga agtgaaagaa attgctgaca tactgttgan ggaagtgttc 300
ganagggtga agaagaaaga gattgagctt cagggtgaccg aaagattcaa agagaagagt 360
agtagaccga aggggtataac ccgagctatg gagcaagacc gttgagaaga agccatccat 420
gaaggctttt agagggg 436

<210> 1067
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G2

<400> 1067

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attcaattct caatgcctct tcttctcctt acctcttctt tcaaaacgac ggccaccgtc 120

gtaatcgccg gcgtttcatt tattgccacg gcgatgattc tcacgggtccc ttccgtttcc 180
catttcgtag tctcttgctt tccgattatt tacgataaca ccgtcttcct cttaaaacca 240
ccgtatcttt acttagtcat caactctatc atcgtctgca tcacgctac ttctaaactc 300
actcataaat cgctctccgt cgatgactct gagatctcgg aagtagtgac tccaataccg 360
ataccggtac cggttcattt ancttctgat atccaattcc ggtaattta aacgtgggt 419

<210> 1068
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G4

<400> 1068
tataganata agacgtcggn cggncgcggt acttaaacan ggaattcggc tcgagcggct 60
cgagcggctc gagcggctcg agattttttt aaagaatggc ttcaatttct gcaactttgc 120
cttcgccatt gttactcaca cagagaaaat ccaatctcac atcgattcaa aaactcccat 180
tttctctaac tcgaggtagc aatgatcttt ctccattatc tcttactcga aaccctagca 240
gcatcagtct gatggtgaaa gctagtggag aaagctcaga ttcacgact gatctcgacg 300
ttgttagtac gattcagaat gtttgggata agtctgaaga taggttaggt cttattgggt 360
tgggttttgc tgggtattgta gctctttggg catcattgaa tctcatcacg gnaatcgaca 420
aattgcccggt tatctcgaac gggattcnaa ct 452

<210> 1069
<211> 114
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: ARABL1-06-Q1-B1-G6

<400> 1069
gcacgcgtac anaaactcgg aattcggctc gagactagtt ctagatcgcg agcggccgcc 60
cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatggaga aataaaaaaa aaaa 114

<210> 1070
 <211> 205
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: ARABL1-06-Q1-B1-G7

 <400> 1070

 atattggatc atgagtgagt gaaaagagct gatattaccg atttttaa atacctcttta 60
 tcttcttttc gtttggtcgg tatatgttta ttgagtttca tgtattgttt gtgatgggtct 120
 gtgtgtaata gtgaggtcgg atctaaactt ttatgcgtgg tttttatatg aaattgtcca 180
 ttgtggttaa aaaaaaaaaa aaaaa 205

<210> 1071
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-F6

 <400> 1071

 ggngaagatg cccaaggag actatagaca cnagatgacg tccnacncac gcgtacnaa 60
 actcggaatt cggctcgagc tcttccctca cgtcttccac caccgtagct tccgccacca 120
 ccacctcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnaattcctt taattagggt tgggattacc aatgaatgtt ctctctctcg 240
 cttgttatgc ttctacttgg ttttgtgtgt tctctatttt gttctggttc ngctttaaga 300
 tttgatgtaa tagttcgtga ttaggtattt tggtatcngg naacntaatg ttaattcant 360
 tgtnttttan cgtatgannc gtgnacttaa cattctnaaa atgacaaaat ttcttccggn 420
 naatataacc cctgttgatt ggaaaaatgg gattaataac gggcgg 466

<210> 1072
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: ARABL1-06-Q1-B1-H4

 <400> 1072